

Daughter of Stratford

by B. A. YOUNG

"Daughter am I in my mother's house," Kipling wrote of Canada. "But mistress in my own." History repeats itself. It is unlikely that anywhere in the English-speaking world will you find more or better Shakespeare than at Stratford, Ontario.

Why should this be? I will discuss in another article; in this I will just offer some evidence. Last week I saw an *Antony and Cleopatra* of triumph beauty. A Merchant of Venice with some points of interest, a cool and benign *Tempest*, and two performances of *Hamlet* with alternate Hamlets. I also saw a fine production of *Coriolanus*, *The Merchant of Venice*, and a stylish production of *Being Human*. But Shakespeare first.

The first and handiest thing to say about *Antony and Cleopatra* is that as Cleopatra Maggie Smith has returned to the top standards she showed at the National a decade ago in her *Desdemona*, her *Beatrice*, her *Silvia* in *The Recruiting Officer*. The performance was nothing in any received ideas (thus confounding the Stratford audience, not to mention the Canadian critics, who could not understand why she wasn't more like Elizabeth Taylor).

She is not visually voluptuous, but wily and active, her succession of simple costumes falling straight to the ground to give a tidy look to the body that is contradicted by the individual beauty and intelligence of the head under its simply-dressed auburn hair. Emotions flicker kaleidoscopically across her face and her voice, when she says "I am ill—and well" she is each inconspicuously by turn. There is not an inflection or a gesture that is not fresh and personal.

As *Antony*, Keith Baxter shows him at once of father and us the private life of an iron-thrope. "A little less than kin"

man, an erect, grey-bearded is no muttered aside; he shouts here. As stage-furniture he does not discriminate between people and things (I remember a production at Exeter where small children were played by spotlights and a black man by a burning balloon), and here the boundless black of the Egyptian night is a mute figure in white makeup and black shifts. They may imitate an action, set a mood or simply people the stage. William Hunt is a rather cross Prospero, though one of the evening's most moving details. Ariel's hand creeping up to touch his as he commands mercy to the King and his men, suggests a deep and lasting affection. Ariel is played by Nicholas Pennell, ethereal in white, with a delicate birdlike step; his fellow-Hamlet Richard Monette is his fellow-spirit Caliban in more than usually human shape. Ferdinand and Miranda, Jack Wetherall and Mari Maraden, are an entirely lovely pair who get much more fun out of their parts than usual. The scene where Miranda entreats Ferdinand carrying legs is made by Mr. Wetherall into unexpected and delightful comedy.

Back at the big theatre, *The Merchant* is directed by Bill Glassco, a Toronto director of note. He has set it fashionably among tubmen at the turn of last century, and falls into a trap. That setting works for the Venetian bourgeoisie; you can even accept Shylock's sporting and you mentally turn back the clock to some more likely forfeit of equivalent fatality. But Belmont, no. Belmont is fantasy. Susan Benson, Mr. Glassco's designer, has compromised with *Albanus*, more or less. He has set it in a lovely house, but the conclusion of the trial that is far the best bit of the evening he is left stranded at the casual imposition of his appalling sentence, presently to become a Christian. A fate that must have stung the young Jew a sign of pleasure at winning the hand of Jackie Burroughs, a Portia as enchanting at home as in court.

A rather random production wears a precious jewel in its head. Home Group's *Shylock* yet, at the conclusion of the trial that is far the best bit of the evening he is left stranded at the casual imposition of his appalling sentence, presently to become a Christian. A fate that must have stung the young Jew a sign of pleasure at winning the hand of Jackie Burroughs, a Portia as enchanting at home as in court.

There can be few viewers left unaware that two hundred years ago an event of some significance occurred in certain British colonies over the water. The history of America has been pumped at us for months—to the astonishment, it is said, of the Americans. Alistair Cooke's saga has been re-running on BBC2, a series illustrated with good choice of location and suitable material but inclined to be cosy around the more dishonourable episodes. A quality in the voice leaves the impression that the past has been unwrapped, and inspected but is now to be wrapped up, tied with a stout knot and put away.

The contribution from Thames is *Destination America*, an eight-part series, saving for us the theme of the populating of the country by the poor of Europe. By the early 1900s a million a year were fleeing from want or persecution, travelling in overcrowded ships to overseas destinations. For many their new world would be entered literally as a new person—thanks to the immigration officials' habit of anglicising tongue twisters such as Murzuzki to Morse or Bakunin to Cooney.

When hopeful emigrants become desperate immigrants the culture of the ethnic group tends to provide a saving buffer against despair. Sensibly, the programmes have utilised these cultural boundaries to define and divide a vast subject into manageable episodes. A fundamentally similar ordeal is thus presented from a succession of different slants—the Irish, the Italians, the Jews and the Greeks. So far this treatment has forth the perils of flattening us with great chunks of material.

Film material of the crossing is necessarily sparse but we have been getting the reminiscences of some strikingly weathered and ancient survivors who tell it like it was—or at least as they remember it. Most revealing are the still photographs of the period, grainy studies of immigrants on arrival, clutching one box, one bag or one battered case, and staring into the camera. Notably, the enthusiasm of the common feature is a resolute patience: emblems of tenacity.

By the time the great bulk of the immigrants were arriving the lands westward had been cleared to receive them. Cleared, that is, of those inconvenient redskins that stood in the path of the white man's destiny. The fall and decline of the American Indian is a harrowing tale that received classic expression in the book *Bury My Heart at Wounded Knee*. It is currently the subject of an excellent BBC1 series, *The Native Americans*, going out very late on Sunday nights—though fractionally less late this coming Sunday than hitherto.

Once again the material has

been organised as the experience linked to pictures of a smart White couple sporting their Indian neckties, stretching their moccasined feet on a Navaho blanket—while a family of old Indians trudged unnoticed along a dusty road to nowhere.

By a trick of planning so neat as to suggest a studied insult, Buffy Sainte-Marie's singing coincided with *Duel at Diablo* on BBC's other channel. This was a meretricious blood-and-guns Western of precisely the sort that rouses the Indian's anger. One cowboy hero could not even shoot his beloved horse (dying of thirst) because the shot might alert the cruel Apaches. That's the way to catch your audience. Against such hard-selling fiction the Indian version of history can make small headway.

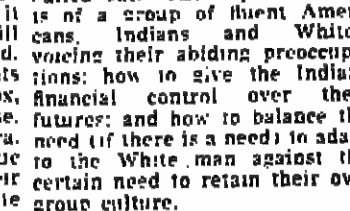
Elsewhere in the week there were two highspots. Trevor Griffiths' political series *Bill Brandt* (also Thames) is going to make absorbing watching this summer. The two opening episodes have introduced convincing sets of parliamentary goodies and laddies, comprehensive and Whips with cold eyes. Very adult casting, and the choice of Jack Shepherd as the new MP gives the series an actor of smouldering power at the centre. Shepherd has always excelled at portraying men straining at the mental leash. A sense of unpredictability, even alarm, used to radiate from his stage performances. On television this same feeling persists. Brandt's turbulent inner life abruptly bursts out into short violent actions but these scarcely reduce the seethe within. The times when he sits down and says nothing are no more than quiescent intervals between the eruptions that point his convictions.

Chris Dunkley is on holiday

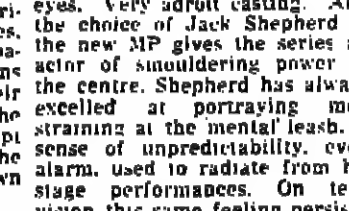
One wants to go on and on following the career of a well-created character. The point that a comparable feeling exists with regard to a great actor was made in connection with the week's second highspot, John Gielgud's performance in Dan Aykroyd's *The Grand Inquisitor*, transmitted on BBC2 for the Open University. This dramatization was designed as an exercise in creativity for students of the "Personality and Learning" course who were asked to listen beforehand to an interview with Gielgud and afterwards to an evaluation of the performance in conceptual analytic terms.

I was instantly out of my depth in the latter with its "personality" in the works of Jackson and Messick—clearly refugees from Godot. However, I haven't been doing the course. Gielgud's comments on the other hand, on his own (inimitable) approach to the role—and to acting in general—will have made watching his performance that much more rewarding. Turning over in one's mind the rejected alternatives to a line he had asked to change. Considering he stood up when he did, bent towards or turned aside from his Christ-like prisoner, watching the variety of means he used to punctuate the 16-minute monologue. In his interview he wondered if he was just indulging his old tricks learned from Shakespeare. The comment is typically modest but the issue it raises is an interesting one. Self-influence has not, I think, been studied in the work of an actor still great. Its extent would be interesting to assess—though I cannot imagine how young students will tackle it.

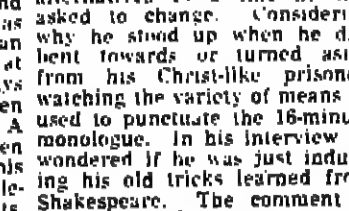
Chris Dunkley is on holiday



Destination America: pioneers heading for the Middle West (Thames)



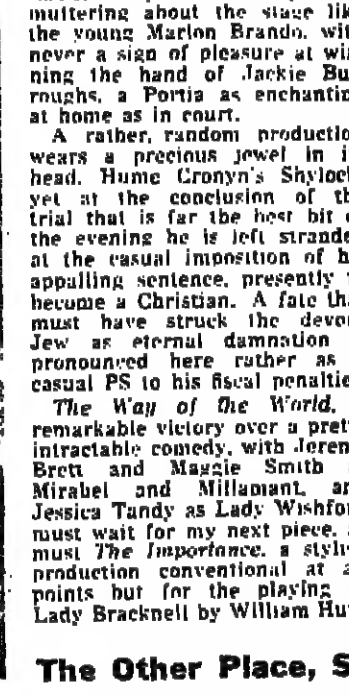
John Gielgud in 'The Grand Inquisitor' (BBC2)



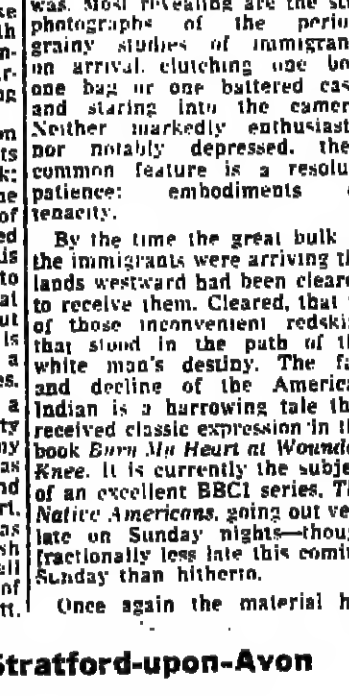
Trevor Griffiths in 'Bill Brandt' (BBC2)



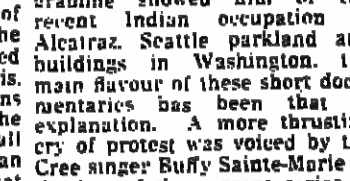
Keith Baxter and Maggie Smith in 'Antony and Cleopatra'



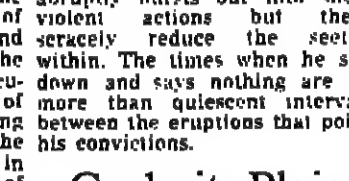
William Hunt in 'The Merchant of Venice' (Thames)



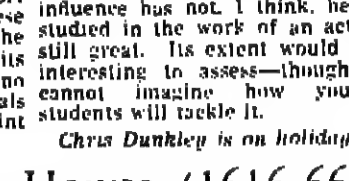
Richard Monette in 'Hamlet' (Thames)



Nicholas Pennell in 'Hamlet' (Thames)



Jack Wetherall in 'Hamlet' (Thames)



Susan Benson in 'Hamlet' (Thames)

The Other Place, Stratford-upon-Avon

Dingo by MICHAEL COVENEY

Charles Wood's *Dingo* was commissioned by the National Theatre but banned by the Lord Chamberlain in 1967 before fetching up via a production in the Bristol Arts Centre, at the Royal Court in the same year.

It remains a searing, pacifist entertainment set in the Western desert of 1943. *Dingo* and Mogg, the privates at the front, are clearly differentiated by the examples of the human spirit: as *Dingo*, the professional soldier, becomes increasingly disillusioned over his reasons for fighting at all, Mogg, the recruited civilian, presents the sexual lust of bayoneting a path through the power. By the time *Dingo* finds himself interned along with the whimpering Tanky, Mogg, also imprisoned, is organising a party camp into a respectably disciplined unit.

Mr. Wood's style of composition—spiky and impressionistic—has lost none of its force. Nor, indeed, has the language, which achieves kaleidoscopic density through idiom and roomy clarity. It is an English play that hates England

in the same sort of ambivalent way as the early Osborne plays. It suggests that Alsatian, under the whole war, was an unnecessary exercise in stupidity at large for which humanity at large was no better off.

Historians and those who were there may quibble with that. But where Mr. Wood strikes a resonant chord is in the suddenly pinpointed mood of political helplessness and reclamation that *Dingo* expresses in the final scene.

Barry Kyle's production is careful and not too uncomfortable to sit through. It is dominated by Ian McDiarmid as the confidential comrade, hilarious in the second act, and a party where the officers in ludicrous drag perform the "Eton Boating Song," "Lili Marlene" and the first encounter of Elton and Amanda in *Private Lives*, covering an escape attempt. Paul Mowat is a really angry Mogg as *Dingo*, but Paul Moriarty and Richard Griffiths play Mogg and Tanky to their respective hilt.

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That *Dingo* expresses in the final scene.

Shostakovich by MAX LOPPERT

Shostakovich's *Sonata for Viola and Piano*, Op. 147, first given in Leningrad last year, was played on Monday afternoon by Cecil Aronowitz and Nicola Granberg to an audience that included Shostakovich's widow. It was fitting that the composer's last work should be first heard in this country at Aldeburgh, the scene of many marvelous performances resulting from the strong links forged between Benjamin Britten, the Russian composer and Russian musicians.

Inevitably, when first encountering the last musical thoughts of a great composer recently dead, one places an expectancy of final statements on the music that is not necessarily meant to bear. But, if not exactly a point-by-point summing-up, the *Sonata* poses the kind of reflective philosophical questioning on the nature of music itself that Shostakovich's own sense of impending death. Its two dedications are of interest: the work is to Dravitsky, violist of the Beethoven Quartet and first performer of the work; and the third and final movement, an *Elegy* in memory of the great Beethoven.

This movement is the centre of the work, to which the first two broad but rather shadowy opening and the following scherzo, biting but less bleak than earlier Shostakovich examples, both lead. At once built into and as it were out of the music are the open, airy, dotted rhythms of the *Moonlight Sonata*, contrasted with the falling-fourth pattern that is the work's own "insignia," in such a way as to thrust Beethoven's phrases into new contexts. The effect is at once to subject a long-loved musical object to strange, melancholy transformations; and, with the final stilling to peace of the rhythm and the falling-fourth over a pedal of C, to imply a renewal of faith in the Beethovenian tradition of music that is a moving and splendid envoy. The more so, because the middle part of the movement thrashes the viola up-wards in gestures of despair that seemed unanswerable; and the first outbreak of applause like black gloom: remembered earlier works in Shostakovich's "final period," notably the 13th and 15th Quartets, appeared to imply a spiritual darkness hard to penetrate.

As a whole, however, the work

made an uneven initial impact. The fact that the first two movements remain intentionally unresolved did not for me dispel the sense of transparent material stretched so tight as at times to become insubstantial. Further, the sense of the work's own "insignia," in such a way as to thrust Beethoven's phrases into new contexts. The effect is at once to subject a long-loved musical object to strange, melancholy transformations; and, with the final stilling to peace of the rhythm and the falling-fourth over a pedal of C, to imply a renewal of faith in the Beethovenian tradition of music that is a moving and splendid envoy. The more so, because the middle part of the movement thrashes the viola up-wards in gestures of despair that seemed unanswerable; and the first outbreak of applause like black gloom: remembered earlier works in Shostakovich's "final period," notably the 13th and 15th Quartets, appeared to imply a spiritual darkness hard to penetrate.

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The key to a different world.

Richard Jackson by ELIZABETH FORBES

It was gratifying, on a recent trip to Germany, to be told several times how lucky we were in Britain to have so many fine young singers in the generation still under 30. The baritone Richard Jackson, born in 1949, is one of the most gifted and musical singers of that post-war generation, and has already demonstrated his special affinity with the world of classical Lied and his recital on Monday aroused keen anticipation in the audience.

If Mr. Jackson was suffering from a cold, we were not informed of it, but some temporary indisposition had obviously struck his voice, so he could not sustain notes in the higher register at any volume. It was brave of him to continue the recital and one can only hope that the effort did not further harm his voice. The programme was certainly an interesting one, with the whole of the first half devoted to songs by Schubert written in the year 1826.

As Graham Johnson, the evening's pianist, pointed out in his excellent programme note, 1826 was not, by Schubert's standards, a particularly prolific year for

the composer, but it resulted in some marvellous songs: "Der Wanderer an den Mond," "Hark! hark! the lark," and "Who is the fairest of them all?" The well-known "Im Frühling" and the equally beautiful but less well-known "Lebensmut." This last song was finely sung by Mr. Jackson, who also declaimed "Jüdisches Glück" with great rhythmic energy and phrased the wistful verse of "Über Wildemann" most convincingly.

The second half of the programme contained settings of Spanish poems. Schumann's "Der Hidalgo" is a splendid, swashbuckling fellow, strongly characterised by both singer and pianist. Mr. Jackson sounded more comfortable in the songs from Wolf's *Spanisches Liederbuch* that ended the recital, especially in "Auf dem grünen Balkon" and "Auf dem grünen Balkon" in its syncope rhythms, and in "Der verzagte nicht geschwind," where he pointed the irony of words and music very subtly.

Graham Johnson, too, found the Wolf songs the most rewarding, but he was a stalwart and helpful partner throughout the evening.

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Key target in the Invasion of Liverpool is Knowsley Industrial Park—100 acres of development land must be seized!

Plans were announced today for a massive thrust into Liverpool's Knowsley Industrial Park. David Mowat, Liverpool's Industrial Development Officer and the man co-ordinating the invasion strategy, pin-pointed the target area as 100 acres of prime development land, fully serviced.

The campaign, which begins today, for "Development" Day—is aimed at encouraging industrialists to launch their bids for sites in Knowsley.

Knowsley Industrial Park is the finest and best connected industrial location in the North. Situated at Exit 3 of the M57, it is only 6 1/2 miles from Liverpool city centre, 7 1/2 miles from the Sealtorh deep sea container port and 11 miles from Liverpool's international airport.

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- Concentrated, skilled workforce.

FT 6/16

WORLD TRADE NEWS

Jeddah harbour contract

By William Duffell

STOCKHOLM, June 15.

SKANSKA CEMENT, the Swedish construction concern, in collaboration with Grands Travaux de Marseille and the Greek Archirodon Company has won a Kr.4.6bn. (\$575m.) order for the extension of Jeddah harbour in Saudi Arabia. About one-third of the contract goes to Skanska. It has been announced here, but full details await the return of the executives who signed the contract in Saudi Arabia.

The project includes the dredging of 8m. cubic metres, the construction of warehouses and 4.3 kilometres of quay to a dockside depth of 14 metres and the delivery and installation of cranes for both containers and mixed cargo. An arrival hall for pilgrims to Mecca and a mosque are also included in the project, which is scheduled to be completed in five years. Some 2,500 men are expected to be employed, of which 280 will be recruited in Europe, about 100 of them from Sweden.

The contractors are being urged to start work immediately, as the present harbour is inadequate to cope with the swelling flow of Saudi imports. Ships currently have to wait weeks to unload.

Skanska has an annual turnover of some Kr.3bn. (\$325m.). It has worked hard to gain foreign orders over the past few years with the result that about 30 per cent. of its current order book involves foreign contracts. It is also bidding for other Saudi projects, including the construction of a new airport and a flying school.

Aircraft leasing deal

British Midland Airways has been awarded a contract by Libyan Arab Airlines for their specialist Leasing Service. The Libyan airline is to hire a Boeing 707 this summer to operate scheduled services within the Middle East radiating from Tripoli.

U.K., Japan introduce new export credit guidelines

FINANCIAL TIMES REPORTER

BRITAIN has announced revised export credit guidelines, implementing its commitment to the unofficial agreement reached between the U.S., Japan and individual EEC countries to harmonise export credits.

The countries concerned agreed, after much protracted debate, to make unilateral declarations as a means of by-passing the European Commission and keeping export credits within the control of the individual governments. The U.S. was the first to announce the revised guidelines—last Wednesday—followed closely by West Germany on Friday. Yesterday both Britain and Japan made their independent declarations—all countries setting out the same broad terms.

The British terms were announced by Mr. Edmund Dell, the Secretary for Trade, in answer to a Parliamentary question. The new guidelines, which apply to export credits officially supported of two years or more issued by the Export Credits Guarantee Department (ECGD), will be effective from July 1. Existing commitments

will be unaffected.

The new guidelines cover the minimum pre-delivery payments, minimum interest rates and maximum length of credit. Mr. Dell emphasised that these new terms were guidelines and as such were not to be regarded as dogma. The ECGD would continue to consider cases individually and the new guidelines would be reviewed in mid-1977.

For the purpose of the guidelines, "buying countries" are divided into three broad categories, on the basis, essentially, of their per capita income. For sales to all countries the minimum "cash" payments from the buyer by delivery will be 15 per cent. of the contract price.

For credit of two to five years the minimum interest rate will be 7.25 per cent. for all but the wealthiest category, for which it will be 7.75 per cent. These rates involve an increase in the 7 per cent. rate currently applicable to most business in this category. Some other countries applying the new guidelines will be involved in larger increases to

give effect to the new minima.

For credit of more than five years—for which rates will continue to be set case by case—the minimum rates will be 8 per cent. for the wealthiest countries and 7.75 per cent. and 7.5 per cent. for those in the other two groups. Maximum lengths of credit for these groups will normally be five years, eight-and-a-half years and ten years respectively.

The guidelines may be waived in exceptional cases, for example to match more generous terms offered by competitors. Sales of ships, ground satellite stations, aircraft (including helicopters) and nuclear power plant will remain subject to the existing arrangements for such goods.

The ECGD commented that the changes represent a modest but useful advance in the control of self-defeating credit competition. For the U.K. the changes will not be great, reflecting the department said, the fact that in general the U.K. has in the past offered facilities which were towards the middle of the range of interest rates and lengths of credit offered internationally.

Japanese announce Australia car plans

By Charles Smith, Far East Editor

TOKYO, June 15.

JAPAN'S TWO leading motor manufacturers, Toyota and Nissan, have announced plans for the manufacture of engines in Australia, following the final collapse of talks for the manufacture of engines by a joint venture with Chrysler in South Australia.

Nissan will make its own engines from castings which will probably be bought from Chrysler at the plant of Nissan Motor Manufacturing in Clayton near Melbourne. Toyota will carry out a very similar programme at its own existing Australian plant, or possibly through a separate wholly owned subsidiary which was formed recently.

Both companies will be producing engines by late 1979 in order to comply with Australian requirements for the achievement of 85 per cent. local content by 1980. Toyota will probably buy castings from GM-Holden for its engines. There is also a possibility that two-litre engines for the Toyota Corona may be bought direct from GM with only the smaller Corolla engine being manufactured directly by Toyota itself.

Although neither company has said so directly, both Japanese motor manufacturers appear to have been relieved by the failure of the earlier talks on the establishment of a joint venture engine plant at Chrysler's Adelaide works.

The Chrysler plan was originally conceived under the Australian Labour Government and seems to have been quietly allowed to lapse by the new Australian Government elected late last year. The Japanese evidently felt that they would have had insufficient control of quality under the Chrysler joint venture proposal.

SINO-SOVIET TRADE

Relations are improving

BY COLINA McDONAGH

DESPITE WHAT they say about one another in public, in one field China and the Soviet Union are improving their relations. Moscow Radio last week announced that this year's trade would be 40 per cent. up on 1975's total to reach Roubles 230m. These figures suggest that last year's trade did not reach its agreed level of Roubles 211m. (which itself was low, being well under the 1974 figure of Roubles 286m.). But the prospects for the year are evidently good.

The projected increase confirms indications from Western countries that China's total trade will rise in 1976 after last year's stagnation. It also suggests that in practical matters, both China and the Soviet Union can, when it suits them, modify their hostility to one another. It even hints at the present degree of pragmatic control in the Peking leadership, since the radical fulminations against exporting China's raw materials in exchange for foreign technology are obviously disregarded.

The two countries signed the trade and payments agreement for 1976 in Peking in mid-May. It seems to have been a reasonably cordial occasion. At least the agreement was signed before the year was half gone; last year it was not concluded till July. Future prospects look brighter, too; this time both sides agreed in principle to sign a long-term agreement on exchanging certain commodities. Perhaps that, too, is a political omen.

The commodities agreed upon for exchange this year are, from the Soviet Union, aviation equipment and spares, 200,000 kW steam turbines with boilers, trucks, motor vehicles and spares, cranes, tractors, farm machinery, metal-cutting tools, ferrous metals, rolled steel and chemicals. From China are to come non-ferrous metals and ores, fluor spar and other raw materials, and consumer goods, including knitwear, clothes, furs and fabrics.

The list of imports is similar to 1975's, with aviation equipment and spares appearing first. After a pause, during the 1960s, China bought aircraft worth \$34m. from the Soviet Union as long ago as 1971. Their main purchase was the Ilyushin 82. Although the Chinese were believed to be unhappy with this plane, their import of aviation equipment continued at about \$53m. in 1972 and 1973, rising to over \$67m. in 1974. This makes Moscow an important supplier in this field, even when

compared with the West's sales of Tridents and Boeings.

Power generating equipment reappeared in the 1976 Soviet export list, after its omission last year. In the early 1970s Moscow was an important source, its exports to China reaching nearly \$36m. in 1973. Thereafter the Chinese seem to have switched to Japan and the West for power equipment. However, it is possible that these imports are intended for installation at power stations originally supplied by the Soviet Union in the 1950s.

Trucks are obviously a significant item, too. The rapid expansion of China's economy in the early 1970s created a near-insatiable demand for construction and transport equipment. This was by far the largest category in Sino-Soviet trade in 1974 (the most recent year for which detailed figures are available), reaching over \$80m. Motor vehicles and dump trucks also appeared in the 1975 list, and in view of China's needs they seem likely to continue.

The USSR is still a worthwhile trading partner for China, factors plus the added convenience of direct rail shipment from the time, in the middle 1960s, when it was the backbone of Chinese economic growth. In a useful one, though they will never again become dependent on Moscow.

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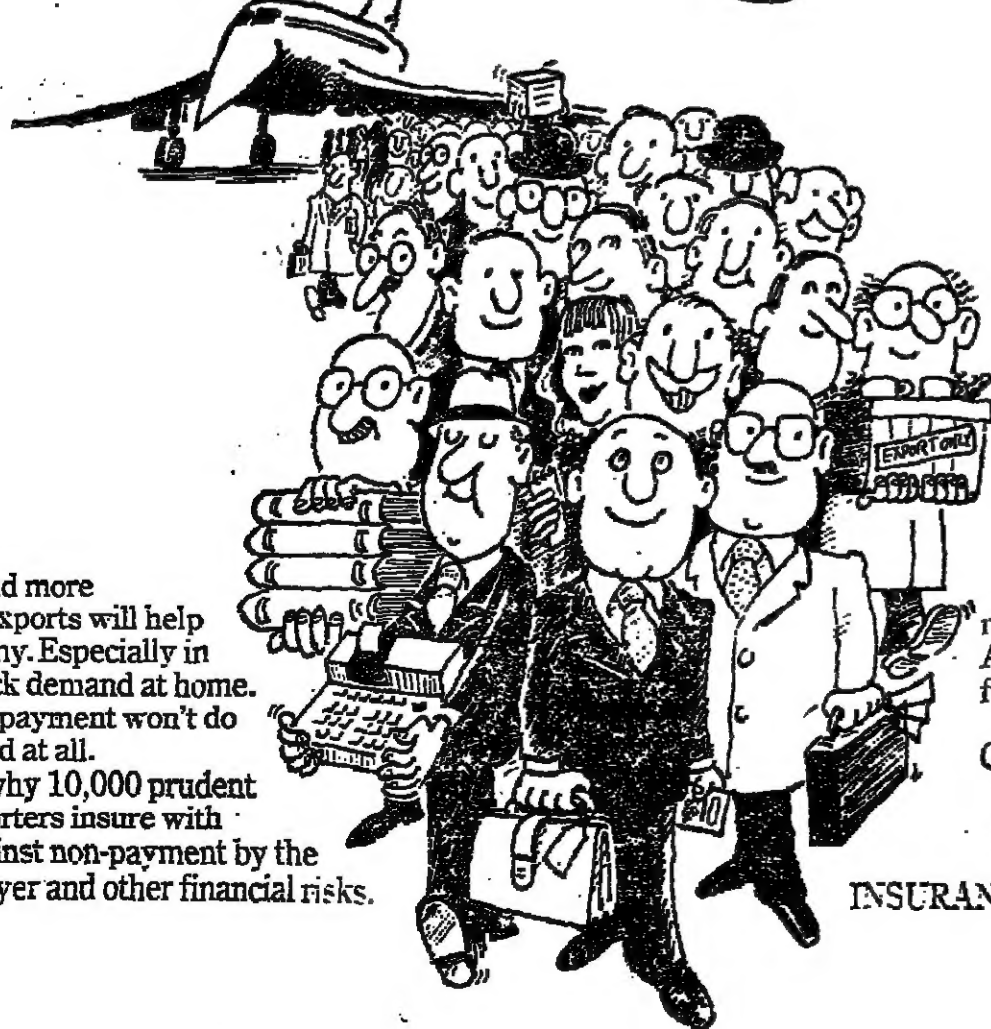
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1 This April a vast new deepwater port—financed by an international consortium—was opened at Richards Bay. Its completion in a mere five years was an achievement few countries could match.

2 A second gigantic port-industrial complex is moving forward fast at Saldanha. These twin developments have immense implications for the growing import-export future of South Africa.

3 On the energy front the major oil companies continue vast investment in the Republic. Whilst at the same time the government has given the go-ahead for the second oil-from-coal complex, SASOL II.

4 In South Africa's Homelands, progress accelerates. The magic hundred million Rand mark for private investment has been

passed. New national and international investment continues apace.

5 In South Africa, to combat inflation a Collective Programme of Action has been signed by a fully representative selection of private entrepreneurs, consumers, workers' organisations, and the government.

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AMERICAN NEWS

FBI probe into wave of letter bombs

By David Bell

WASHINGTON, June 15
THE FEDERAL Bureau of Investigation today began an urgent investigation into what appears to be a nationwide letter bomb campaign directed at major U.S. companies.

At least nine letter bombs were received yesterday in New York, Delaware, Ohio, and Illinois, and one of them injured four people in the post room of Merrill Lynch Pierce Fenner and Smith in New York. Other targets included McDonalds, the hamburger chain, Dupont, Exxon and the Buzze Corporation, a major American food exporter.

Warning

The letter bombs followed extortion letters addressed to many of the people who received bombs. These included photographs of the recipients and a warning that if they did not pay an unspecified sum they would be shot. All the bombs were apparently posted in two Texas towns—Texarkana and Atlanta—which are only 25 miles apart, and were contained in large envelopes stiffened by cardboard of the type used in men's shirts. The explosives were wired to a small battery, the New York police said.

Privately, some FBI and Secret Service agents have been concerned for some time that the U.S. may be facing an increase in random bombings of the type already familiar in Britain as a result of IRA activities. It is pointed out that no one has yet come up with a strong lead on the explosion which killed more than 10 people at New York's La Guardia Airport earlier this year. Since then, there have been a number of unexplained blasts—including three in Chicago last week.

In the case of the letter bombs, the FBI has no idea why some companies have been singled out. Agents speculated that it may be because the senders of the bombs have read about them in magazines, or because they have an important place in the U.S. economy.

New York set month-end deadline for financial plan

BY STEWART FLEMING

NEW YORK, June 15.

IN RESPONSE to the slow progress which New York City is making towards agreeing its budget for the year beginning on July 1, the Secretary of the Treasury, Mr. William Simon, has demanded that the city submit a new financial plan before the end of the month.

Mr. Simon has also arranged for an assistant secretary at the Treasury, Mr. Robert Gerard, to meet the city's emergency financial control board on Thursday.

Mr. Gerard said today that he would remind the control board that they have to certify that the city's 1977 budget is consistent with the three-year financial plan before Federal support loans to the city for 1977 can be advanced.

By the end of this month, New York City will have agreed its federal loans for the 1976 fiscal year but the city is expected to need about \$100m of federal aid early in July.

Mr. Simon's intervention in the city's affairs again comes in the middle of a dispute between, among others, the director of the control board, Mr. Stephen Berger, and the Mayor's office about the 1977 budget.

In a report earlier this month, Mr. Berger said that further cuts were needed in the budget proposed for 1977 by Mayor Beane. Last week, the Mayor said he would resist some of the \$300m cuts and rescheduling proposed in the Berger report.

The intervention of Mr. Simon, said Mr. Berger, adds a new dimension of pressure in the need for the Mayor and the emergency control board to come to an agreement on the 1977 budget.

The city is also trying to reach agreement with 160,000 municipal employees over a new wage contract. The existing contract runs out at midnight on June 30 and there are fears that a serious labour dispute could bring the city to a halt on the eve of the Democratic convention which opens here on July 11.

Mr. Simon said he would insist on receiving assurances that the city would hold the line on wages and fringe benefits in these negotiations. He added that any increases in wages the city offers will have to be offset by cuts elsewhere.

In the past year, the city managed to obtain union acceptance that no wage increases would be awarded. It is not clear what the position is in the current negotiations and there are some suggestions that an attempt will be made to grant productivity increases, but nothing beyond this.

It is uncertain, however, whether the unions will accept this strict regime without causing some disruption. The negotiations began on June 2 and there has been no indication how they are progressing.

Uruguayan Presidential elections postponed

It is now official that the new Uruguayan President, Alberto Demichelli, who is 73, will be replaced within two months and that new Presidential elections, which had been scheduled for November, have been suspended, writes Robert Lindley in Buenos Aires.

In revealing that Sr. Demichelli signed two "insurrectional Acts" stipulating these two points on Saturday night, shortly after being sworn in as President to replace Juan Maria Bordaberry, the armed forces have in effect given notice that they will be the power in Uruguay until at least 1984.

Hearst judge dies

Judge Oliver Carter, who presided over the trial of Patricia Hearst, has died of a heart attack, raising the possibility that she could face a new trial, Reuters reports from San Francisco.

His death will almost certainly delay her sentence. Judge Carter, who was 65, passed an interim maximum sentence.

Carter tops poll

Jimmy Carter, more popular with the American voter than either President Ford or Ronald Reagan, according to a poll released by the National Broadcast Company, has topped the polls.

New York, NBC said that Mr. Carter, who is virtually certain to be the Democratic Presidential candidate, led Mr. Ford by 32 to 37 per cent, and Mr. Reagan by 35 to 32 per cent, in the nationwide poll, taken on June 10-11.

Grenada OAS offer

Grenada has formally offered to be the site of next year's general assembly of the Organisation of American States (OAS), AP-DJ writes from San Antonio.

Grenada became a full-fledged member of the OAS in 1973, shortly after gaining independence from Britain.

Potato default case

The May 25 default on Maine potato futures contracts for delivery of almost 30m. lbs. of potatoes has triggered two more law suits, AP-DJ reports from New York.

William Buxter, a New Jersey phone-recorder distributor who filed both suits in a New York federal court, said that he bought eight potato futures contracts on the New York Mercantile Exchange in mid-April as a speculative investment. He later sold the contracts at a loss in "excess of \$10,000" because of the default.

Summit preparations

President Ford yesterday welcomed in the White House, Government officials from the six foreign nations which will join the United States at an economic summit meeting in Puerto Rico later this month, CFI reports from Washington.

NUCLEAR POWER IN CALIFORNIA

Heavy water politics

BY MAURICE IRVINE IN LOS ANGELES

CALIFORNIA HAS given a resounding Yes vote to nuclear power, but the battle over its safety is far from ended in the U.S. All the signs are that this was only round one of a protracted conflict. In November, Oregon and Colorado residents will go to the polls to vote on the same issue, and around the nation a dozen states are considering measures similar to California's Proposition 13.

"We're not going to fade out," said Mr. David Pesonen, chairman of Californians for Nuclear Safeguards. "We'll try again next time around. One third of the electorate agree with us. Millions have realised for the first time what dangers are involved. The nuclear industry from now on is going to have to work to prove its safety claims."

Safety standards

Proposition 13 was an attempt to bar construction in California of about 30 new plants in the next 20 years, unless they met rigorous new safety standards and came up with a disposal system for radioactive waste which two-thirds of the State's nuclear power plants now in existence would have been forbidden to operate at more than 60 per cent of capacity unless federal limits on insurance liability were removed. At present, there is a \$500m liability limit on any nuclear accident, however serious.

For months, citizens were harassed with media propaganda by both sides. Every other TV commercial seemed to be about Proposition 13. M. Jacques Cousteau dangled his infant grand-daughter on his knee and solemnly warned us that a No vote might endanger her health. Dr. Edward Teller, of hydrogen bomb fame, growled in his thick Hungarian accent that, on the contrary, a No vote was just what America needed. A newspaper ad told us "Why the Doobie Brothers Want You to Vote Yes." (The Doobies are a rock group.)

Mr. Ralph Nader said he thought nuclear power should be shut down even if it meant going back to candles. Mr. Pat Brown, the father of California's Governor, responded that it was absolutely vital to the State's well-being. Governor Jerry Brown, on the fence, a favourite perch of the world watched with warm interest, but the outcome should reassure no one about the safety, or otherwise, of nuclear power plants. This was a political campaign, not a scientific one—

although it did show how hopelessly divided is the scientific community over the safety issue. What sent Proposition 13 down to defeat by such a wide margin? Some 67 per cent, of the voters (1.8m. people) said No as against 33 per cent. (1.9m.) in favour. The consumer advocate Mr. Nader blamed "a multi-million dollar campaign by the giant corporations to spread distorted and inaccurate information." And certainly the anti-nuclear organisers had only \$1m. to spend compared with the \$4-\$5m. laid out, mostly on the media blitz, by the No on 13 committee. Power companies such as Pacific Gas and Electric, Edison, Westinghouse, poured money into the No on 13 war chest. Supporters of Prop. 13 relied on small private contributions: the largest single item in their accounting of receipts was "miscellaneous"—\$33,178 collected from backyard sales, raffish, dances and the like.

Finances aside, the leaders of the campaign did show how hopelessly divided is the scientific community over nuclear safety.

Project Survival, a group formed to push Proposition 13, admit in several tactical mistakes. Towards the end of the campaign, the Yes on 13 people weakened their assault on the safety issue and started attacking the big corporations for their huge contributions to the No faction. The real question was obscured.

The scientific status of the No on 13 experts—Nobel laureates and such like—appeared to the public to be superior. The Yes faction deployed too many Hollywood stars and television personalities in its attempt to prove that, despite its clean safety record, nuclear power was something to be feared.

And finally, the anti-nuclear lobby felt it was hurt by passage into law, less than a week before election day, of three Bills that would prohibit construction of new plants until better waste disposal methods had been found and approved by the legislature, and the State Energy Commission had studied the question of siting the plants underground. These measures were less stringent than those of Proposition 13, but they

were obviously sufficient for the public. "It took the wind out of our sails," said Mr. Jim Burch of Project Survival. "But at least they accomplish some of the goals of Proposition 13."

The question now being asked is whether it was worth all those millions to place such an extremely complex question, with all its economic, legal and political as well as scientific connotations, before the people. If, after a decade of debate leading nuclear physicists cannot agree on the safety issue, how can Mr. and Mrs. California be expected to reach a rational decision?

"I believe voters are fully capable of understanding the issues, despite scare propaganda and sensationalism," Dr. Tener, a former chairman of the Atomic Energy Commission's safeguards committee, says. In his view the failure of Proposition 13 shows that Americans can overcome provincial considerations and irrational fears to concentrate on "the greater international issue," which is the alleviation of world poverty through utilisation of new energy sources.

It sounds quite splendid, but possibly Californians had reasons closer to home for casting a vote for more nuclear power. This is the most energy-intensive corner of the world's most energy-intensive nation, and some 44 per cent of all energy consumed here goes on transport. The more nuclear-generated electricity the state can produce, the more fuel will be available for the ubiquitous automobile, and the more self-sufficient in energy California will become.

Shortages

At present, some 90 per cent of the state's energy needs are provided for by oil and gas, mostly imported, and the prospect of serious shortages in the next decade looms larger with every passing year. And California's problem is the nation's: today, 60 U.S. nuclear plants generate 9 per cent of the electricity, but as fossil fuel resources shrink, America plans to turn more and more to nuclear power. By 1985, a projected 200 plants will be producing 26 per cent of the nation's power.

"Until such options as solar energy are widely available," Dr. Robert Seamans, chief of the U.S. Energy and Research Development Administration, says, "the country must lean heavily on nuclear power. We don't see any way to get through to the end of the century relying only on fossil fuels."

Perez urges SELA food company

BY JOSEPH MANN

CARACAS, June 15.

VENEZUELAN President Carlos Andres Perez has inaugurated the second Ministerial meeting of the Latin American Economic System (SELA) here and told representatives of 21 nations from Latin America and the Caribbean that they should work toward the formation of a multinational Latin food company that would alleviate malnutrition in the region.

SELA, the hemisphere's most recent effort at regional integration, was established last year

in Panama in order to promote multinational companies to be run and financed by member states as an alternative to the foreign transnational companies now working in the area.

President Perez, who heads a perennially producing country that has earned more than \$15bn in oil revenues over the past two years, has been a staunch supporter of efforts to unify Latin America and Caribbean into an effective

economic block. SELA, which does not include the U.S. or Canada among its members, was conceived as a counterbalance to the impact of foreign multinational companies in the region.

The Venezuelan chief executive told the inaugural session: "If we do not achieve unity ourselves, the multi-nationals will do it for us." He also said that the big nations of the region—like Brazil, Argentina and Mexico—must seek development within the context of co-operation with other Latin states.

Russians occupy drifting island

BY VICTOR MACKIE

OTTAWA, June 15.

RUSSIANS are occupying an Arctic ice island that is drifting close to the territorial waters off Canada's northern coastline, the National Defence Department has revealed. Arctic islands occupied by USSR task forces are being kept under surveillance and photographed by Canadian forces aircraft on patrol missions.

One of the islands, known as North Pole 23, has now drifted into Canada's "backyard" in the Arctic Ocean, about 500 miles south-west of the Pole. It is in an open sea area about 400 miles west of the northernmost point of land on Ellesmere Island. Two

flights were made over North Pole 22 in late March and in April by Argus aircraft from bases at Summerside, Prince Edward Island and Greenwood, Nova Scotia. The pictures taken by the Canadian patrol aircraft late in April show more than 100 Russians on the ice island.

There are between 10 and 15 prefabricated huts, partly covered by snow, nine aircraft of various sizes, three helicopters and a 5,000 foot runway.

North Pole 23 measures about three and a half miles long, more than two miles wide and is about 84 feet thick. The Canadian

Defence Department says that these islands are occupied by field research units of the Arctic and Antarctic Scientific Research Institute in Leningrad.

The USSR missions are to conduct scientific studies of Arctic water, the ice cover, ocean floor and atmosphere. Both the Soviet Union and the U.S. have been flying their national flags from ice islands in the central Arctic ocean for a number of years. This is the first time however that a Russian-occupied island has drifted so close to Canadian waters and it is being kept under close surveillance.

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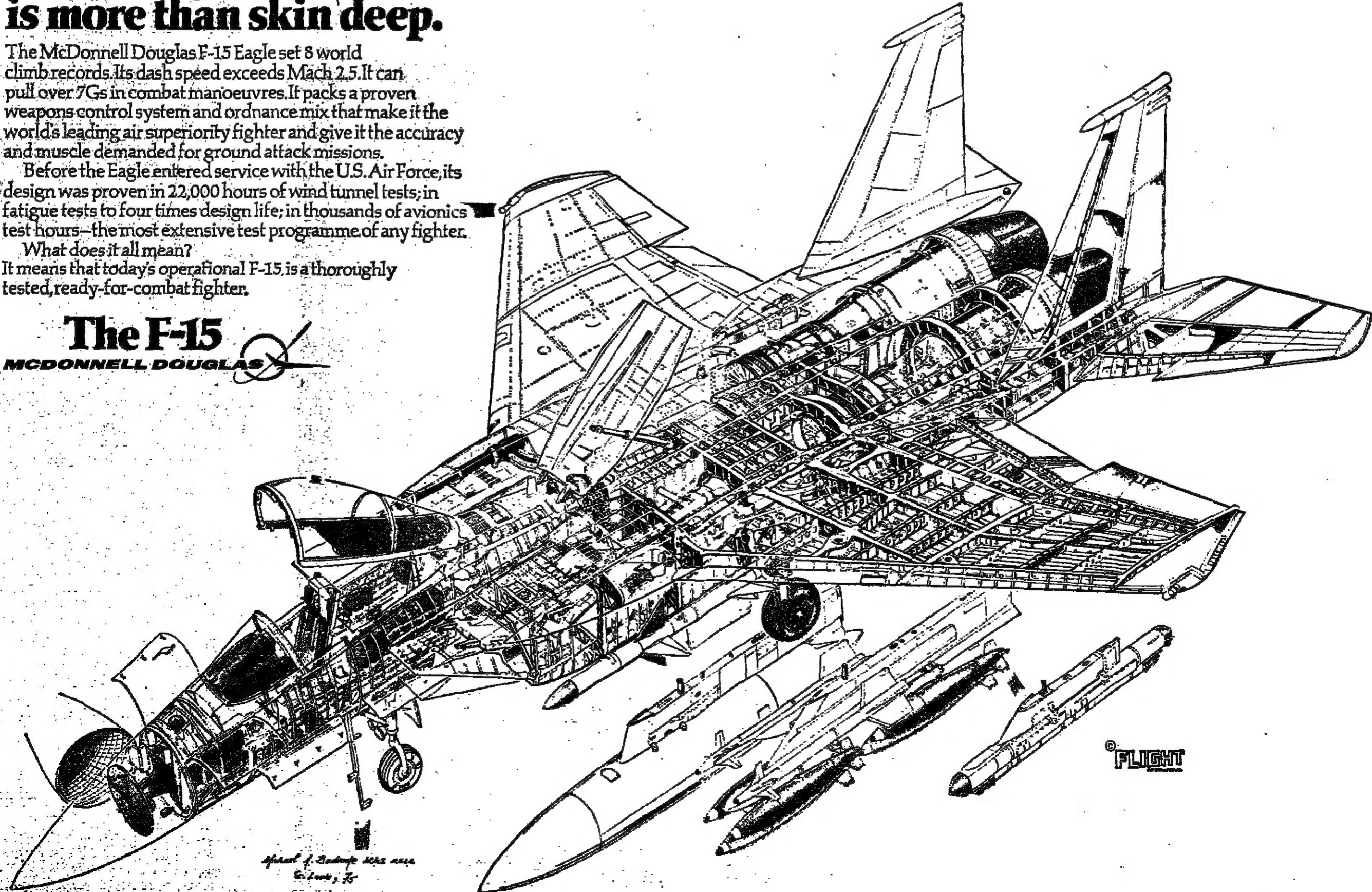
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'Reservations' to OECD Code withdrawn by Japan

BY CHARLES SMITH, FAR EAST EDITOR

THE MINISTRY OF Finance continued today that Japan will formally announce the withdrawal of some half-dozen "reservations" to the OECD Code of Liberalisation of International Capital Movements at the meeting of the OECD Committee on International Investment in Paris later this month.

The reservations affect such matters as foreign investment in Japanese equities and bonds, the listing of foreign companies on Japanese stock exchanges and the provision by sign banks of short-term foreign currency loans to Japanese companies.

These are all areas in which Japan has been reluctant to open up to foreign investment. The government has been particularly resistant to the OECD recommendation that currency movements be free of "automatic" approval.

The withdrawal of reservations to the OECD Code will also leave unaffected some surviving restrictions particularly in the field of investment by foreigners in the Japanese bond market. Overseas investment in medium and long maturing Japanese bonds is subject to a ruling by the Bank of Japan that foreigners must hold bonds for at least six months before reselling them. This restriction is designed to prevent foreign speculation in the bond market for currency speculation purposes. Sales of two-month Japanese Treasury

TOKYO, June 9.

bills to foreigners are also subject to restrictions which are designed to discourage speculation. The restrictions take the form of sales quotas for the leading eight Japanese security houses.

Japan has decided to announce withdrawal of its reservations at the OECD meeting partly because the Japanese case is due for special consideration at the meeting and partly because the recent strength of Japan's balance of payments is beginning to attract attention again from competing industrial countries. Other measures which the Government is thought to be considering, in the light of the recent strength of the balance of payments, are a sharp increase in the amount of cash which Japanese travellers may take out of the country (from \$1,000 to \$3,000) and a cut in the period quotas for impact loans raised by Japanese companies from overseas sources.

After withdrawing its reservations from the OECD Code Japan will have a surviving residue of some eight or nine reservations to the Code, putting it ahead of the U.S. and France which have 10 each. This will not necessarily mean, however, that Japan in reality becomes one of the most liberal countries in the world in the handling of capital movements. Surviving obstacles to free movement are likely to come mainly in the form of administrative obstacles in the manipulation of which the Japanese are known to be adept.

Sadat visits Iran

BY ROBERT GRAHAM

TEHERAN, June 15.

PRESIDENT SADAT of Egypt arrived here today on a six-day State visit, overshadowed by events in the Lebanon and his continuing rift with Syria. The Lebanese situation and Egypt's relations with Syria will figure prominently in the discussions. The Press has blown up the visit as of major significance beyond mere bilateral relations. The Shah may well offer his good offices to reconcile President Assad and President Sadat, augmenting the current Kuwaiti and Saudi efforts.

When President Assad was here earlier in the year, the Shah also proposed an Islamic summit; but this idea was considered not

very helpful by some Arab Governments, who felt this might offend the Christian community in the Lebanon.

Relations between Iran and Egypt have become very close in a short space of time. The friendship dates to little more than three years but now Egypt is the Arab country with whom Iran identifies with the most. Iran has committed \$250m. for the rebuilding of Port Said. In addition, Iranian capital is participating in a proposed \$400m. textile mill. There is also a joint Iran-Egypt development bank with a \$30m. capital. There are also plans for three petrochemical projects.

Rhodesia race report attacked

BY TONY HAWKINS

SALISBURY, June 15.

BOTH WINGS of the African National Congress and white Right-wingers today attacked the report of the Commission of Inquiry into Racial Discrimination, which Prime Minister Ian Smith had earlier described as reasonable and balanced.

The Left and the Right both pointed to the fact that implementation of the Queniet Commission's recommendations would undermine the position of the ruling Rhodesian Front, but moderate white opinion welcomed the report.

Spokesmen for both Muzorewa and Nkomo factions of the ANC criticised two aspects of the report. First they pointed out that the report stopped short of recommending a fully non-racial society, particularly race discrimination will continue in such critical areas as education and European residential areas. Secondly, both ANC groups said that even if all the recommendations were implemented, they would leave untouched the crux of the Rhodesian problem — political power.

The Rev. Max Chimpenza, spokesman for Bishop Muzorewa, said: "The heart of the matter is the power of the Rhodesian Front's Government to indulge in such inhuman practices as any kind of racial discrimination. For Mr. Nkomo's party, the vice-president, Mr. Josiah Chinamano said Rhodesians problems would be solved by radical political leading to majority rule.

These reactions had been anticipated as all along the nationalists have shown little interest in the commission and did not give evidence. Predictably also, right-

wing white groups sharply attacked the report, with Sassen (the Southern African Solidarity Congress) saying that implementation of any of the quoniet commission's major recommendations would mean "the end of the Rhodesian Front."

The clear aim of the report, said Sassen, was discrimination in reverse. "In singling out the Land Tenure Act and the franchise, the report strikes at the root of the national fabric and the original principles of the Prime Minister and of the Rhodesian Front."

The leader of the far-right, Rhodesian National Party, Mr. Len Idensohn described the Rhodesia's friends abroad.

report as part of Mr. Smith's normal appeasement, and as a "betrayal" of the whites.

The main opposition party, the Rhodesia Party welcomed the report, but delayed detailed comment until it had had time to study the recommendations. For the tiny multiracial Centre Party, Mr. Pat Bashford, described the suggested reform as "excellent," but he too warned that with the exception of the call for a return to the common roll, the recommendations did not touch the heart of the problem.

The Association of Rhodesian Industries warned the Government that having gone so far to "respite the battle," any attempt to shelve or postpone the problem would immediately alienate the goodwill of the Rhodesia's friends abroad.

Vorster shuns initiatives

BY STEWART DALRY

CAPE TOWN, June 15.

MR JOHN VORSTER, the South African Prime Minister, does not have any concrete initiatives or package of proposals on Rhodesia to take with him for his meeting next week in West Germany with Dr. Henry Kissinger, the U.S. Secretary of State, according to Afrikaans Government sources.

The Prime Minister behind the meeting, due to take place on June 23 and 24, was Dr. Kissinger, the sources said. They speculated that black African leaders, whom Dr. Kissinger met on his recent African tour, suggested to him that a meeting with Mr. Vorster was crucial to resolving Southern Africa's problems.

Mr. Vorster, according to the sources, regards the tour as basically educational—an opportunity to appraise himself of the new U.S. interest in Southern Africa. Sources discounted the possibility that Mr. Vorster is on the brink of a dramatic gesture such as closing the Riet Bridge railway to South Africa, which is Rhodesia's main economic life line and denying Rhodesia the use of South African ports, which would bring down the white minority Government of Rhodesia Prime Minister Mr. Ian Smith very quickly.

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Financing questions likely at N-talks

BY OUR OWN CORRESPONDENT

TOKYO, June 15.

THE CORNERED round of talks involving the U.K., France and Japan will start in Tokyo on Thursday on the proposed Anglo-French scheme for the reprocessing of 4,000 tonnes of Japanese spent nuclear fuel.

The talks are the first to be held in Tokyo, since France offered what was originally an exclusively U.K.-Japanese project in the year and since the organisation of the Japanese are concerned with the project.

Japan will be represented at the talks by the vice-president of Tokyo Electric Power Company, the highest of the nation's nine regional power generating companies. The U.K. team will be headed by Mr. M. T. Kavanagh, chief salesman of the Reprocessing Division of British Nuclear Fuels.

France will be represented by J. Gouture, chief sales manager of Cogema (Compagnie Generale de Matieres nucleaires).

Japan is expected to raise new questions about the financing of the reprocessing project which is now estimated to cost £400m. and which involves an Anglo-French request for an initial Japanese down payment of £10m. The Japanese side evidently feels that a down payment amounting to 40 per cent of the entire cost of the reprocessing contract is distinctly out of the ordinary and requires fuller justification on the European side.

A major issue in the background of the talks is the European requirement that Japan will have to undertake to import nuclear waste, left over after the completion of reprocessing for storage in Japan. The Japanese Government will eventually be asked to guarantee re-import of the waste but may face strong opposition from environmental lobbies when the time comes to do so. This problem will be taken up by Government to Government negotiations between the three nations concerned after the commercial issues involved in the reprocessing project have been settled.

U.S. prepared to supply weapons to Africa

BY MALCOLM RUTHERFORD

BRUSSELS, June 16.

MR DONALD RUMSFELD, the U.S. Defence Secretary, left no doubt at the series of NATO meetings which ended today that the U.S. Administration is now prepared to provide substantial arms supplies to pro-Western African countries.

The first two recipients are likely to be Kenya and Zaïre, which Mr. Rumsfeld is visiting during the rest of this week.

The U.S. has been concerned for some time at the development of Soviet military facilities in Somalia which has a border dispute with Kenya, but this is the first time that U.S. sources have admitted that the U.S. is ready to give the Kenyan military assistance.

The most probable first item is fighter aircraft and this could entail introducing U.S. personnel to train the pilots and ground crew. At present the number of combat aircraft in the Kenyan air force is only 14.

The U.S. interest in Zaïre is partially because it is pro-American and partly because it is next to Angola where the Americans fear the Soviet Union may establish permanent facilities. U.S. supplies to Zaïre would probably consist of ground weapons, but again at least a temporary American training presence would be required and it is possible that U.S. military assistance advisory group will be established on a more permanent basis.

Angolans 'held for days'

BY JANE BERGEROL

LUANDA, June 15.

PROSECUTION witnesses in the Angola mercenary trial began their testimony this morning. Among the three witnesses so far called was Joao Antonio who said he was forced at gunpoint by a group of seven of the British mercenaries on trial to provide shelter and food for them in his house.

Speaking through an interpreter from his own local language into Portuguese, Mr. Antonio testified that he and his wife had been held at gunpoint for four days, during which the mercenaries had "eaten half his crop of spinach" and had taken chickens from the village without payment and had followed him and his wife everywhere. He had eventually managed to escape and alert a FAPLA national army patrol which had returned with him and captured the mercenaries.

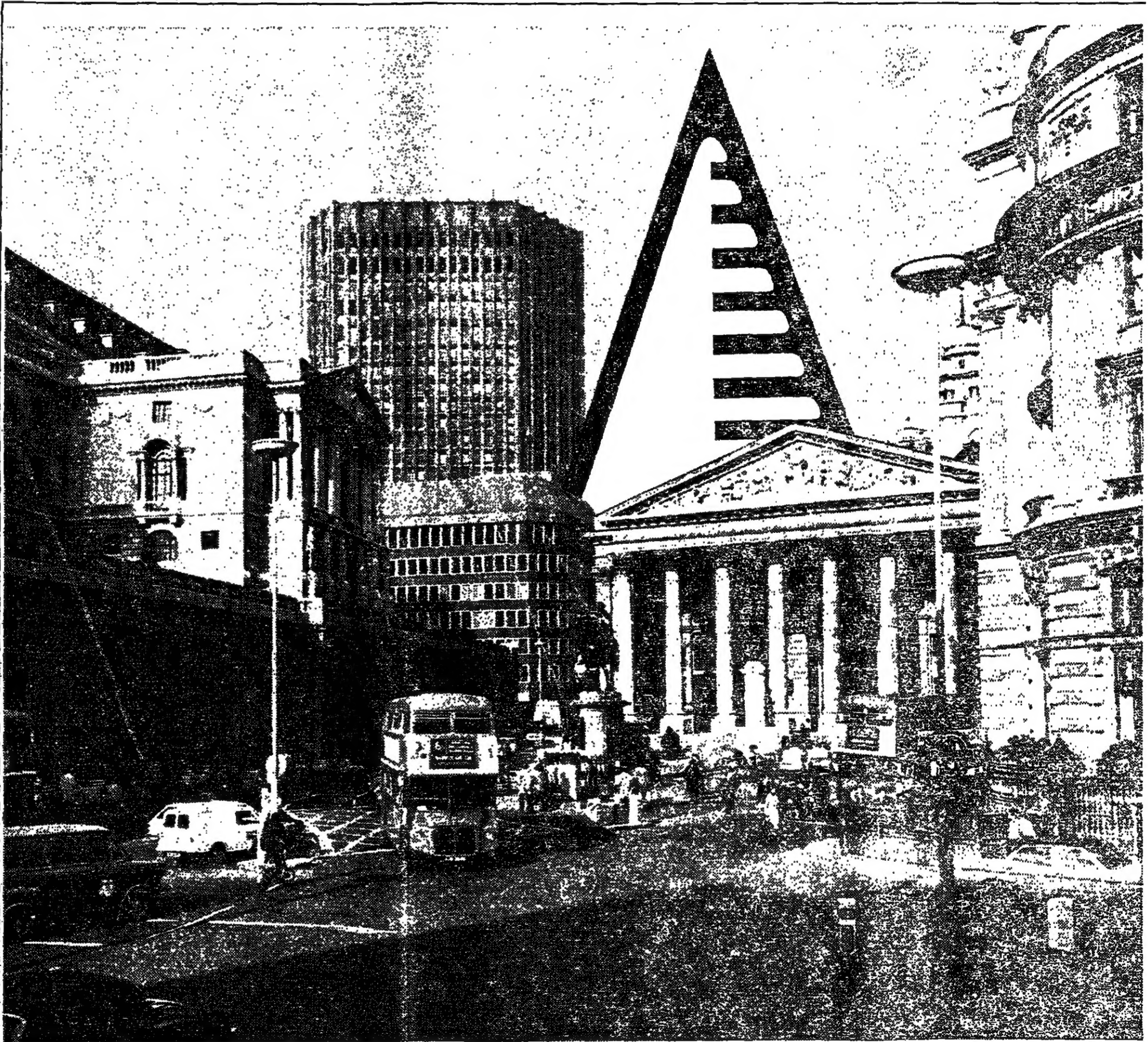
Mr. Antonio's testimony appears to conflict with the contention of the defence that the group had behaved in a humane way and did not use force while biding in the couple's house. The witness denied having had his foot treated by McIntyre, a mercenary claiming to be a nurse.

So far no evidence of mercenaries other than Callan having killed on specific occasions has come to light. Witnesses have testified seeing the bodies of the white mercenaries who died in Maquela under Callan's orders but did not see the shooting. One testified that men had had a slow death and had not been shot cleanly to die quickly.

The main importance of this morning's testimony appears to be to seek to establish the mercenaries' responsibility as command over FAPLA forces in the area, and their consequent responsibility for destruction of property in the area and hijacking of equipment to Zaïre.

Peter Hennessy writes from Strasbourg: An attempt to debate the treatment of British mercenaries in Angola at the European Parliament in Strasbourg failed yesterday.

Sir Derek Walker-Smith, for the Conservative group, argued that unless other offences could be proved, no mercenaries should be punished for merely serving on foreign soil.



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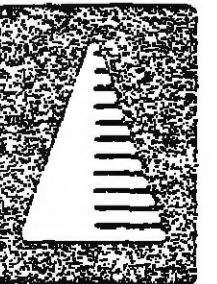
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Fear for Mao's health

PEKING, June 16.

CONCERN grew today about the health of Chairman Mao Tse-tung after he failed to receive a visiting Head of State for the first time in 14 months.

Malabasy President Didier Ratsiraka left Peking last night without being granted an audience with Chairman Mao, a normally the highlight of official state visits to China. An official Chinese spokesman said: "Chairman Mao is well advanced in years and is still very busy with his work. The Central Committee of our Party has decided not to arrange for Chairman Mao to meet foreign distinguished guests." Recent photographs have shown Chairman Mao, who is 82, slumped in a chair, his head resting back.

Chairman Mao's last foreign visitor, Pakistan Prime Minister Zulfikar Ali Bhutto, saw him on May 24. He reported that the Chairman was suffering from a bad cold.

Last year Chairman Mao did not receive foreigners for a three-month spell and was believed to have travelled south to escape the rigours of the Peking winter. But Chairman Mao, who is suffering from a speech defect, later had meetings of well over an hour with world leaders such as President Ford and West German Chancellor Helmut Schmidt.

Since March, however, audiences have been cut to about 15 minutes. Official photographs no longer show him standing. Stenographers speculate this is to inform the Chinese people of his frailty.

The next foreign leader due here is Australian Prime Minister Malcolm Fraser on Sunday. Reuters

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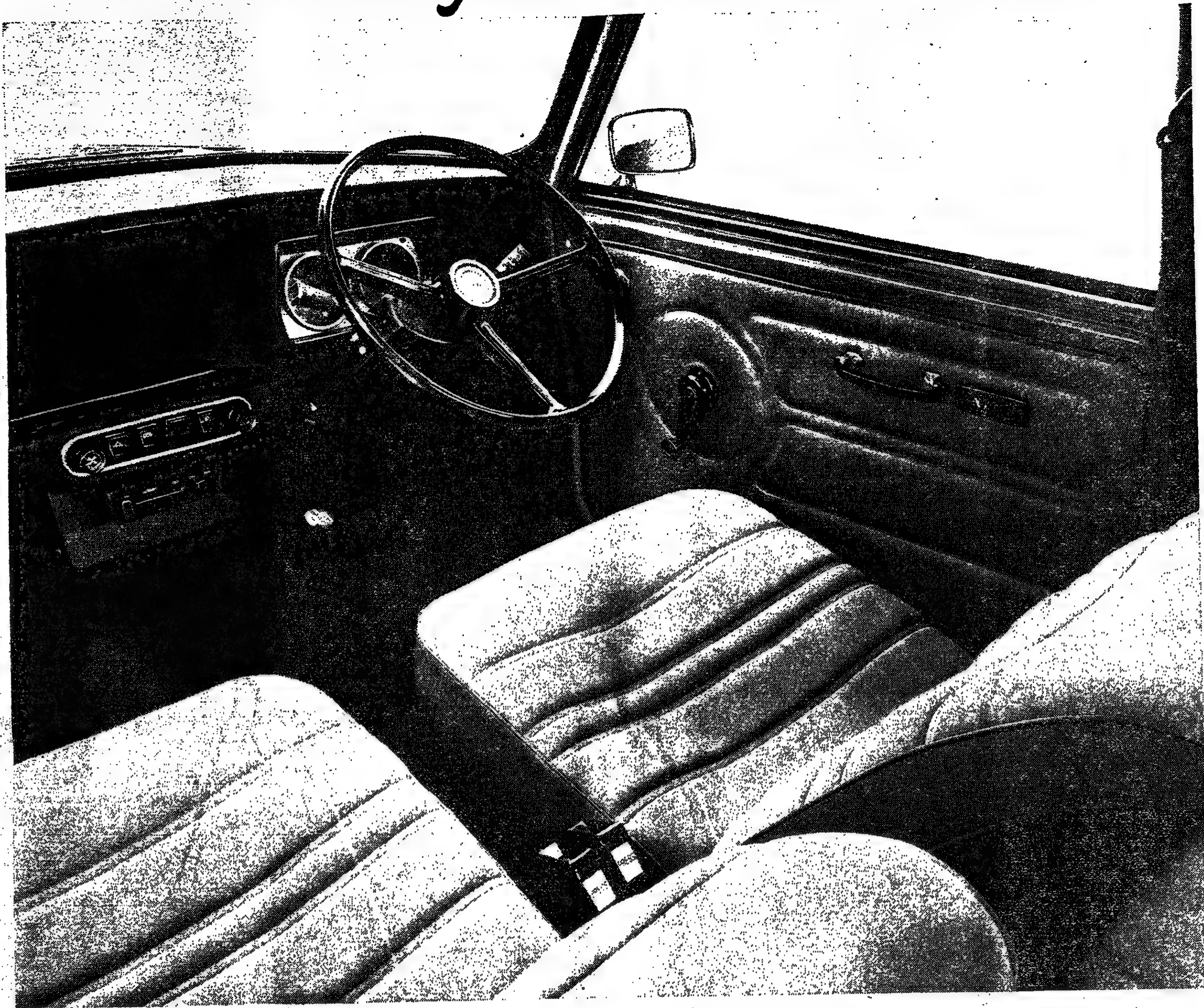
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The vital interests of neighbours and international intrigue will not ease Djibouti's impending independence. James Buxton reports

Trouble brewing in the Horn of Africa

AN EXPLOSIVE situation is not a base in the literal sense of the word. It has no exclusive territory, no fixed base, and no French Territory of the Afars and Issas, generally known as warships often call there. Although France wants to retain a major military presence in the Indian Ocean (from time to time it deploys powerful naval forces there) it believes that Réunion (the French island in the south eastern Indian Ocean near Madagascar) and the island of Mayotte (in the Comoros) make more secure bases. The strategic importance of Djibouti's position is not denied, especially in the light of the Soviet buildup at Berbera, along the coast in Somalia, where the USSR has a missile handling facility, and across the sea at Aden; but the French apparently do not feel sufficiently strongly about the need to guard the Red Sea entrance to want to hold onto a position which is not a base in the literal sense of the word.

The little territory's importance transcends its 8,000 square miles of volcanic rock and desert and its population of only 200,000. It is the port through which more than half of Ethiopia's trade passes, being at one end of the Franco-Ethiopian railway to Addis Ababa. Since Ethiopia's only other outlets to the sea—the port of Assab and the naval base of Massawa—are in the province of Eritrea, where the bitter secessionist civil war is being fought, Djibouti is even more important to the Ethiopian Government than it might at first seem.

Irredentism

Somalia, Ethiopia's eastern neighbour, has a dynamism out of proportion to its population of only 3m. Even though they are divided into several distinct tribal groups the Somalis are recognisably one people. The five pointed star on the Somali flag refers to the five Somalis—the former British possession in the north and the former Italian one in the south now united in the present State, plus claims on a large chunk of eastern Ethiopia inhabited by Somali tribes, a large part of north eastern Kenya and Djibouti.

Djibouti is something of a special case as an objective of Somali Irredentism. Its population is about evenly divided between the Afars, a primarily nomadic people who straddle the border with Ethiopia, and the more urban Issas, who have affinities with the Somalis. In addition about 45,000 Somalis proper, whose real home is inside the Somali Democratic Republic, live and work in Djibouti.

In multi-racial states one group generally is on top, and the French long ago selected the Afars. The chief minister (the territory has a measure of self-government) is an Afar, M. Ali Aref, and his party the Union Nationale pour l'indépendance (UNI), obtained all 40 seats in the Chamber of Deputies at the 1973 election. At referenda in 1958 and 1967 the vote of the Afars ensured a majority in favour of staying French, but there is little doubt that, particularly in 1967, strong influence was brought to bear to ensure that the pro-French, pro-Afar side won. There is even an electrified barbed wire fence around the town of Djibouti to keep unwelcome Issas and Somalis out and Mr. Aref's regime has been characterised by blatant and well-documented favouritism towards a small section of the Afar community.

It may well be that when, towards the end of last year, France decided that the time had come for Djibouti to receive independence, it envisaged that M. Aref or another Afar would govern the country in independence. M. Aref said he would need French military support in order to keep the Issas down and the Somalis out, and that suited French desires to retain a stronghold in this corner of the Indian Ocean. However things have changed sharply since then.

First Somalia has made it clear that Djibouti must become independent on terms which allow full rights to the Issas and Somalis. In effect Somalia has hinted that if the Afar hegemony is not replaced by an Issa (and thus pro-Somalia) hegemony it might assert its claim to the territory, a claim which has been overshadowed by its protestations of support for an independent Djibouti. The Somali threat is serious; not only does Somalia have a treaty of friendship with the USSR, but it also has a 22,000 strong Soviet-trained and advised army equipped with 250 Russian T-34 and T-54/55 medium tanks.

Secondly, partly because of the Somali attitude, France has decided that it no longer wants to retain Djibouti as a military stronghold, and since Maroh has made a point of saying so to all the interested parties. This does not rule out the possibility of troops remaining there to keep the peace for a time after independence, assuming the new government wanted them (though Somalia is deeply opposed to this). Despite having about 6,000 military personnel in Djibouti (including 15 tanks and ten F100 fighter aircraft) the French insist that Djibouti

is not a base in the literal sense of the word. It has no exclusive territory, no fixed base, and no French Territory of the Afars and Issas, generally known as warships often call there. Although France wants to retain a major military presence in the Indian Ocean (from time to time it deploys powerful naval forces there) it believes that Réunion (the French island in the south eastern Indian Ocean near Madagascar) and the island of Mayotte (in the Comoros) make more secure bases. The strategic importance of Djibouti's position is not denied, especially in the light of the Soviet buildup at Berbera, along the coast in Somalia, where the USSR has a missile handling facility, and across the sea at Aden; but the French apparently do not feel sufficiently strongly about the need to guard the Red Sea entrance to want to hold onto a position which is not a base in the literal sense of the word.

dislike of M. Aref and his remains: will Somalia attempt to take over Djibouti in some form, and if so would this be the cause of war with Ethiopia? Although the territory seems to be drifting in the direction of the pro-Somali political faction, the FLCS which is the pro-Somali political faction, giving Mogadishu, the Somali capital, the possibility of marching into Djibouti, the moment French forces were drawn cannot be ruled out. I that happened the Addis Ababa Government would almost certainly retaliate, fearing for its economic lifeline and the territory of its own which Somali claims. But a pre-emptive Somali move into Djibouti (which Ethiopia does not claim for itself) would catch Addis Ababa at a disadvantage.

Ethiopia has twice as many men in its armed forces as Somalia (now 50,800 of which 47,000 are in the army). It has substantially increased its armoured with U.S. assistance in the past year and now has 2 M-60 medium tanks and 54 M-4 light tanks. But this is a long way short of the Somali armour and since the 1974 overthrow of the Emperor Haile Selassie the Ethiopian army has suffered the arrest of senior officers, and has been deployed throughout the country to deal with provincial revolts, some of which have been aided by the Somalis. By far the most serious is that in Eritrea where the army, suffering low morale, is bogged down in a stalemate with the guerrilla forces.



there which would always be a sovereign state which would be under threat from Somalia.

The third change which has taken place in the outlook for Djibouti is that the position of M. Aref has become steadily weaker. Over the past few months 18 of his 40 Parliamentary supporters have drifted away, leaving him with a slender majority. Some of these deputies have deserted UNI because they are hesitant about independence; the Ethiopia attack on Afars inside Ethiopia has cost him credibility; but most important is the self-reinforcing belief that M. Aref is not the man to lead Djibouti into secure independence in the light of the Somali threat. For the political force which is making the running in Djibouti is the Ligue Populaire Africaine pour l'indépendance (LPAI). The LPAI is militantly in favour of independence; although it draws much of its support from the Issas it also has many Afar members and much of its success is due to the general

recognition by Somalia and Ethiopia. The need for close co-operation with France was agreed on, although whether this means a continued French military presence was not spelled out. But it was stipulated that if M. Aref can be forced out (and he has said he will go if he loses a vote of confidence in the Assembly) all three parties would join in a single administration.

The next task, as the French see it, would be the delicate one of registering electors to vote in a referendum to decide the enclave's future (a vote in favour of independence would seem a foregone conclusion) and then an election to choose a government and decide on a constitution. Implicit in all this is the understanding that the apparatus at present disproportionately favouring the Afars would be dismantled.

All this would appear to bode reasonably well for the future of the territory and of the region, but the key question to expect.

peace offer there seems little chance of the Ethiopian army being free to confront the Somalis effectively. Somalia may however calculate that the courage of events in Djibouti makes an outright takeover unnecessary. Indeed the Soviet Union might well advise against such a move, partly because a conflagration could endanger the Berbera base and partly because Moscow wants to have good relations with the Ethiopian regime, with which it has some ideological affinities. Even if the Somalis did control Djibouti directly there would be good reason for not closing the port to Ethiopia, quite apart from the provocation this would mean: the port is the territory's only resource and Ethiopia its only major customer. That suggests there is room for an accommodation between the two countries; but in the present volatile state of relations in the area, and with the massive armaments on both sides, that may well be too much to expect.

Peasants

Although Ethiopia was trying to settle the Eritrea problem with a march of thousands of peasants who, it was hoped, would drive out Eritrean guerrillas and deny the guerrillas their food supplies and shelter, this move was doomed to failure with reports of the peasants being held up by other guerrillas in the adjoining province of Tigré and the Government under pressure from a concerned U.S. Government to call it off, to which it acceded. In the absence of any serious peace offer there seems little chance of the Ethiopian army being free to confront the Somalis effectively.

Somalia may however calculate that the courage of events in Djibouti makes an outright takeover unnecessary. Indeed the Soviet Union might well advise against such a move, partly because a conflagration could endanger the Berbera base and partly because Moscow wants to have good relations with the Ethiopian regime, with which it has some ideological affinities. Even if the Somalis did control Djibouti directly there would be good reason for not closing the port to Ethiopia, quite apart from the provocation this would mean: the port is the territory's only resource and Ethiopia its only major customer. That suggests there is room for an accommodation between the two countries; but in the present volatile state of relations in the area, and with the massive armaments on both sides, that may well be too much to expect.

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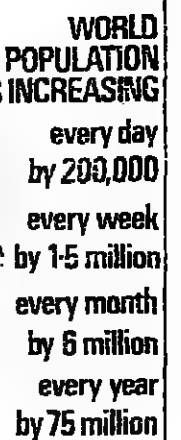
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The motor industry has joined the revolutionary swing towards increased use of plastics. Like many other industries, it has found plastics turn new design ideas into economic reality.

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Technical Page

EDITED BY ARTHUR BENNETT AND TED SCHOETERS

● AUTOMATION

After the Vikings, the robots

INTERNATIONAL marketing plans for a family of industrial robots are being set up by a Norwegian company, better known so far as the major Scandinavian bicycle producer. Jonas Oglænd has used a high degree of automation in its own plants, doubling production with a constant labour force in the past six years, and is now applying what it has learned to build the Move-o-matic robot handlers. Essentially designed to simplify the transfer of workpieces of virtually any shape or size, up to a maximum of 60 kilos, the family at the moment contains two machines — the Auto Mater and the Mini Mater.

Serving forge presses, auto-matic presses, welding gear etc., the units are intended to do repetitive work in a highly precise way, particularly in noisy or fume-laden environments.

The integrated circuits which make up the controllers for the robots have been chosen for their immunity to electrical noise and the command board is made up from a series of plug-in diodes giving a repertoire of 64 steps. The slightest indication that the machine is not adhering strictly to the selected programme brings an immediate safety stop into play so that neither the robot, nor the machines it is serving can be damaged inadvertently.

Interesting now that maintenance costs are so heavy is the fact that the operator himself can normally carry out maintenance or service.

Auto Mater is the heavy operator and has a repertoire of five movements which can be selected to work independently or

in combination. Three are servo-controlled with hydraulic drive and two operate pneumatically with pre-set mechanical stops. At normal speeds, this unit would have a load capacity of 20 kg but can take 40 kg at reduced speed.

Mini Mater is for picking up and positioning light loads. Either is easily installed and adaptation to fit particular plant problems is simple — the company provides a service to potential customers to advise them on how their manufacturing lines can best be reorganised to incorporate the robot handlers.

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● COMMUNICATIONS

Facts on FAX

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An operator using the Threshold 500 processor, in conjunction with a remote operator's console and a verification display. Voice input is via the head-mounted microphone.

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FINANCIAL TIMES REPORT

Wednesday June 16 1976

LOCAL AUTHORITY FINANCE

The report of the Layfield Committee has widened the debate about financial relations between local and central government. But the decisive influence on the debate, and on the relationship itself, could come from the pressure to restrain the growth of public expenditure.

Conflict of objectives

By Colin Jones

WHATEVER view one may hold about the Layfield report on local government finance, it served one very useful purpose. One may not be persuaded by the committee's argument that there is a need to choose between two possible sets of financial structure and accountability, one relatively "localist" and the other relatively "centralist", with the implication that the present part-centralist system cannot be allowed to continue. Indeed, one suspects that the present system, or something very much like it, will be with us for some considerable time yet, despite what Layfield describes as its lack of clear accountability. But by placing its primary emphasis upon the need for a choice, the committee at least served to bring out the political dilemma underlying the present relationship between local and central government in this country.

For very many years now this relationship has been bedevilled by the pursuit of a variety of incompatible and virtually irreconcilable political objectives. There is, first of all, the desire to preserve and, at times, to promote a wide measure of decentralisation of governmental power. There is, secondly, the desire to maintain and, at times, to enforce some control on the growth of aggregate public spending and, accordingly, on that part of it which is undertaken by local authorities. And, thirdly, there is the desire for a national say in the choice of priorities between the major public spending programmes, irrespective of the level of government at which these priorities are implemented.

The degree of importance that we attach to each of these objectives has varied a good deal from time to time. It is probably true to say that everyone is in favour of a healthy and effective system of local democracy, not merely in order that these communal decisions which ought to be made locally are in fact made locally, but also because a powerful and responsible system of local government is an essential part of the complex system of political checks and balances which

government should not be so responsible. One may question whether governments since 1944 have done the job particularly well, and whether they are particularly well equipped to do it. One cannot question the now ingrained belief, by politicians and public alike, that the fund contributions to housing revenue account and to capital expenditure—in 1977-78 and a further 0.8 per cent. real reduction in 1978-79. If the balance of payments and industrial investment improve more quickly than was assumed at the time of the White Paper, the latest circular, about the total "permitted" increase in cash terms (assuming an overall standstill in real terms and a year-on-year rate of inflation of about 11 per cent.). But its evidence to Layfield and demographic changes, made good one day by the adoption of a "unitary grant" in place of the present grant system. This concept, which was developed by the DoE in 1974, was described in more detail in a subsequent article.

At this stage the important consideration is not to let one's assessment of the Government's intentions be complicated by matters like the lack of a local government input into the PESC system or the defects in the present grant mechanism, which are essentially side issues. For on Sunday Mr. Peter Shore went on to warn his audience that local authorities cannot let this year's apparent overspend happen any more than the Government could "because, if it did, the consequences for local democracy would be serious."

It is also true that in its present form the rate support grant system cannot be made to discriminate with sufficient precision between the "underspenders" and the "overspenders." Indeed, because of the open-ended nature of the resources element of the grant, the system currently works in the opposite direction. The overspenders will receive extra resources grant and when the excess is subsequently docked from the national aggregate—as will assuredly happen this year—the penalty is visited upon overspenders and underspenders alike.

This particular defect may be

as now seems distinctly possible, then in order to avoid over-heating the Government will have to rein back even harder on the planned level of aggregate public spending during these two years.

Hence the Ministerial dismay when the joint CIPFA-DoE return last month indicated that local current spending this year may exceed the guidelines laid down at the time of the last rate support grant settlement. One can of course question whether the figures thrown up by this return should be taken at their face value—there are all sorts of reasons to doubt whether the figures reflect the present intentions of the 455 local authorities in England and Wales. But the same return gave strong grounds for suspecting that local current spending in 1975-76 exceeded the figures that had been assumed last November by up to 1.3 per cent. and the general expectation seems to be that the next CIPFA-DoE return in mid-July is likely to reveal an additional 1.2 per cent. overrun in the current year.

In other words, if the guidelines for next year—1977-78—are adhered to by the Government, the grant calculation next November will assume that local real spending will be cut back not only by the amount forecasted in last February's Public Expenditure White Paper but also by the extent of this year's and last year's cumulative overrun.

Some local authority leaders may privately doubt whether Ministers will face up to this prospect when the time comes. For in effect it means choosing between sanctioning an increase in local current spending beyond the present PESC forecast (albeit with some off-setting cutback in capital spending along the lines adopted in the last rate support grant settlement), or accepting the prospect of a politically awkward increase in local rate calls next year, or facing up to the even more daunting political prospect of widespread redundancies among local authority staff.

Penalty

This is why, incidentally, Layfield's suggestion for meeting central government's concern about aggregate local spending by introducing a form of regulator on the local tax yield is unlikely to appeal to Whitehall. If an authority were to choose to spend more than the norm it would have to increase its tax yield not only to finance the excess but also to pay a "penalty" to the national exchequer. The prospect of such a penalty might act as a deterrent, but if it failed to deter then the penalty would compound the problem from a demand management point of view.

The desire to maintain a strong central influence over the growth of aggregate local spending is likely to increase as time goes on and as local spending absorbs a bigger and bigger share of the national income. The increase in the local government share hitherto is understandable. As industrial societies become more affluent, they tend to spend proportionately more on services distinct from goods and proportionately more of these services tend to be the services which—in many countries besides the U.K.—are provided by local government.

But there has to be some limit both on the pace of the growth in local spending's share of the national income and on its eventual size. In the first 50 years of this century the share, including transfer payments, virtually doubled from about 5 per cent. to about 9.10 per cent. In the subsequent 25 years, it has virtually doubled again to about 18.19 per cent. Whereas at one time local spending was growing only slightly faster than the national income, in recent years it has been growing two or three times as fast.

Certainly, the immediate prospect for the next few years is one of virtually no real growth—and therefore a slight reduction in local government's percentage share of the national income. Indeed, the last Public Expenditure White Paper showed that the Government (White Paper) into terms which were already reckoning on a very slight real reduction (of about 0.2 per cent.) in local current expenditure—that is, current expenditure—that is, before loan charges and rate

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LOCAL AUTHORITY FINANCE II

Examining the priorities

THE LAYFIELD committee on local government finance put forward a host of important recommendations in its report last month which it claims need not necessarily be affected by the fate of the committee's major conclusion. This was the need for the politicians at Westminster to choose between on the one hand a relatively "centralist" structure of local finance and on the other a relatively "localist" financial structure with its concomitant of a wider local tax base including, possibly, an administratively costly system of locally-determined income-tax surcharges.

On the central issue the sceptic may feel that he is as likely to see the Government announcing to Parliament that it is prepared to relax its present detailed oversight over local authority spending, notwithstanding all the present talk about devolution. Despite Layfield's implicit assumption that the present system cannot be allowed to continue, the sceptic would therefore probably prefer to place his money on the chances of the present system being continued for some considerable time yet, albeit subject to certain modifications.

Preference

By the same token, the sceptic would suspect that the order in which Layfield's recommendations are taken up may reflect this preference for avoiding awkward choices. Those that have some utility for Governments immediately pursued would be seized upon fairly readily while those that do not offer much immediate advantage would be left over for consideration. On this merit's view about overall basis, one can perhaps draw up

a packing order of probabilities for Layfield recommendations. In the first category there probably fall three major recommendations: the need for a forum in which the financial relationship between the Government and local authorities can be kept under continuous review; changes in the grant system including in particular the combining of the resources and needs element of the present grant system into a system of unitary grants; and an enhancement of the present system of district audits.

Overtaken

On the first point—the need for a central/local government forum—the committee appeared to be somewhat overtaken by the developments which took place during its deliberations. The new Consultative Council of Ministers and Local Authority Leaders for England and Wales (and the corresponding body for Scotland) does not precisely match the committee's specifications: it is chaired by the Environment Secretary rather than a Treasury Minister and there is still no focal point within Whitehall through which all contacts between central and local government are channelled.

But it is an innovation which owes a good deal of its inspiration to the committee's questioning in its early months and it is a development which could be carried further. Already one can detect a more corporate approach within Whitehall in the way in which the Consultative Council exists. Already, one can detect some beneficial awkward choices. Those from this attempt to contrive a consensus view about the level of local spending between the two tiers of government. However strongly one may feel that local government should accept central government's view about overall economic priorities, one could

never quite see before the Consultative Council was set up how local authorities were expected to interpret the outcome of each year's PESG review or how that review could be said to be thorough without local government having some opportunity to contribute its own particular input.

On the grant system—the committee made several points. The most significant was its adoption of the idea of combining the present resources and needs element in a single unitary grant structure, an idea which originated within Whitehall and which was put forward as part of the DoE's evidence to the committee.

For local authorities, the attraction of the unitary grant concept lies in its ability to discriminate between those authorities which abide by central government's expenditure guidelines and those which choose not to do so.

For Ministers, the unitary grant has possibly even greater attractions. It avoids the open-ended nature of the present resources grant. Provided it is based upon the multiple regression analysis used for the present needs element—or something like it—it avoids Ministers being put in the position of having to take a view about individual authorities' needs service by service.

Above all, perhaps, at the present time, the unitary grant could offer substantial rewards for the under-spenders and impose substantial penalties on the over-spenders. A level over local spending as a system of unitary grants would be both more selective and more effective. As an instrument of control, no more weight would need to be imposed upon it than it could reasonably be expected to bear.

The third recommendation by Layfield which is likely to have immediate appeal to Ministers was its idea of the district audit system being developed from its present somewhat narrow tradi-

tion into an altogether wider-ranging review of trends in local financial administration. Such a change would require more resources being devoted to the audit system, a broader training for district auditors, and perhaps a widening of their responsibilities so that they are formally required to report jointly to the local council and to the Secretary of State.

There is, however, a very obvious need for a systematic scrutiny of local authorities' financial performance, not merely to ensure that each item of spending has been duly authorised and is intra vires, but to check upon efficiency and value for money in the broader sense—and not only in such obvious areas as certain direct labour departments.

Local councils are after all spending almost a fifth of the national income on services that are neither commercial nor marketed. As Layfield himself pointed out, they are now deploying capital assets which in aggregate add up to a considerable slice of the national wealth. Not only the public generally, but also those who are involved in running local services, have increasingly felt the need for a source of dispassionate advice on comparative trends and performance.

Sweeteners

An enhanced district audit system and the adoption of a system of unitary grants would not of course add up to a politically attractive package of local government finance reforms. There would have to be sweeteners for the wider public and for local government itself.

For the purposes of the first, Layfield's suggestion that payment of rates by instalments should become the normal method is an obvious candidate and so is Layfield's adoption of the idea of basing rateable values for domestic property upon capital values—a change which would undoubtedly make the rating system far more pro-

gressive in income distribution. For the purposes of equity too, there would be a case for putting agricultural and crown property on the same basis as other property while clarity of administrative convenience, precepting were to be replaced by direct billing. But at the end of the day the final arbiter will probably not be considerations of equity or what best suits those who have the job of overseeing and administering local services but straightforward political expediency.

Colin Jones

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Support on the housing front limited

QUITE APART from their traditional role in the housing market—local authorities last year approved work to begin on 174,000 homes and completed 162,000 others—councils have also been edging their way slowly but surely into the private housing sector.

Not that their activities have yet stretched to building homes for private sale—though some authorities envisage such a development in the not too distant future with their own direct labour departments—but coun-

cils have recently stepped up their involvement in the supply of finance for home ownership. Councils have been supplying mortgage finance for many years, but it was only relatively recently that they moved into the market in a big way. While in 1973 authorities lent only £138m. to owner occupiers, or 3 per cent. of the total mortgages granted that year, the figure had by 1974 risen to £455m. or 12 per cent. of all loans arranged. At the beginning of last year, local authorities were providing about 13 per cent. of mortgages and the picture of rapid expansion look set to grow even further.

But it was not to be. Central government, faced with the need to cut expenditure and re-appraise the ways in which funds were being spent, decided to limit local authority mortgage lending in order to expand municipalisation programmes.

The announcement was made last May and the speed at which council mortgage activities had been moving was illustrated by the news that most authorities had by then already committed most of the funds earmarked for home loans—only two months into the financial year.

The result was inevitable. Those who had already arranged their loans from their local council were through the net, but many thousands of other potential home owners were told that lending programmes had been virtually suspended. The Greater London Council, for example, which in 1974-75 lent £35m. to 13,000 home buyers, has been restricted to £55m. in the current year, most of which had already been paid out or committed by the time of the Government's announcement.

While it would be unfair to suggest that building societies were pleased about the abrupt end to the growth in local authority mortgage business, there was certainly a feeling that perhaps councils should not have become so heavily involved in a market which had been traditionally served by others, namely themselves. There were certainly some society executives who had little sympathy for the council's dilemma, although they appreciated that it was the potential borrower who was actually going to suffer.

What they also appreciated almost at once was that they would be expected to step in and ensure that the drying up of mortgage funds from the public sector would be adequately offset by an expansion in their own lending programme.

The actual amount of money required to fill the breach—around £17m. in the last financial year—hardly presented any potential difficulties to a movement planning to lend £5bn. through normal channels, a figure which is set to rise by a further £1bn. this year. But societies at once made it clear that while they were prepared to find the cash they would not change the long-standing requirements upon which they insisted as the necessary prerequisites to a loan.

The formulae they have devised over the years to establish their worthiness of property and the ability of borrowers to meet their commitments have proved immensely successful and societies were understandably cautious about changing them.

Helping

Local authorities, for the most part, have concentrated on helping those people who would not normally expect to obtain a mortgage from a building society. They lend, too, on the type of property which building societies can afford to avoid, usually pre-1919 housing. At the same time the societies said that they were hard-pressed to meet demand from people who could easily meet all their normal requirements. They, nevertheless, said they would help, but the lengthy delays experienced in establishing a workable system can in part be attributed to the general reluctance which many societies felt.

It soon became clear, however, that in many cases local authorities had been lending to the type of people and on the type of property which societies would consider, making the chances of some sort of relief programme more easily acceptable. As the Building Societies' Association recently pointed out, the vast majority of local authority loans go to first-time buyers and some 60 per cent. are on properties built before 1919. In the fourth quarter of 1975, however, the number of building society loans to first-time buyers rose by 9,000 and the number to the same category of buyers involving pre-1919 homes increased by 6,000.

Given that the total level of lending increased but little in the fourth quarter, these loans can be assumed to have gone to people who would have borrowed from local authorities had they been lending at the same rate as in the third quarter. Local authority loans in the last quarter of 1975 are

thought to have fallen below 16,000 compared with 30,000 in the first two quarters of the year.

In the event, a scheme did evolve whereby societies undertook to try and help cases referred to them by local authorities short of money. It got off to a slow start and by the end of February last below 3,000 firm offers of advance had been made in England, worth some £18m.

Since then the building societies say the tempo has

CONTINUED ON
NEXT PAGE

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LOCAL AUTHORITY BOND TABLE

Authority (telephone number in parentheses)	Annual gross interest	Interest payable	Minimum sum	Life of bond
	%		£	Year
Barking (01-592 4500)	12	1-year	1,000	3-5
Barnsley (0226 3232)	12	1-year	5,000	3-7
Barnsley (0226 3232)	12	1-year	500	3-7
Greenwich (01-854 8588)	12	1-year	500	4-7
Liverpool (051 227 391)	12	1-year	500	3-4
Liverpool (051 227 391)	12	1-year	500	5-7
Oxford (0865 201 011)	12	1-year	5,000	4-5
Reading (07 350 111)	12	1-year	1,000	3-4
Redbridge (020 490 020)	12	1-year	1,000	4-5
Sandwell (020 552 2226)	12	1-year	1,000	3-5
Sutton (053 244 400)	12	1-year	2,000	2-5
Southend (070 490 020)	12	1-year	250	2-4
Wandsworth (0877 600 000)	12	1-year	5,000	5-7
Wandsworth (0877 600 000)	12	1-year	1,000	5-7
Wrekin (0952 505051)	12	1-year	2,000	3

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Borrowing remains at a high level

BORROWING by local authorities has increased rapidly over the past few years, to a level where it has major implications not only for councils and ratepayers but also for the spending and monetary policies of central Government. The loan debt of local authorities in England and Wales was equivalent to over £400 a head (according to figures from the Chartered Institute of Public Finance and Accountancy) though this covers wide variations with the highest figures for housing authorities, reflected in a figure of £700 a head in London.

The total amount of loan debt outstanding is now probably not far from £30bn—the last officially available figure being £25bn for March 1975. This total has risen sharply from around £14bn at the beginning of the decade and £9.5bn 10 years ago. Apart from the impact which this level of borrowing has on repayment patterns and finance charges—to be discussed below—it also has a significant effect on the public sector deficit.

In calendar 1975, borrowing by local authorities from financial institutions, the company and personal sectors and overseas directly accounted for £1.6bn of the public sector borrowing requirement of

LOCAL AUTHORITY EXPENDITURE ENGLAND AND WALES (£m at 1975 survey prices)

	1970-71	1974-75	1975-76	1976-77	1977-78	1978-79	1979-80
Current expenditure	5,531	7,662	7,770	7,782	7,763	7,720	7,760
Capital expenditure	3,331	3,911	3,257	2,889	2,736	2,631	2,580
Total	8,862	11,573	11,027	10,671	10,501	10,351	10,340

* As calculated for the annual public expenditure survey: relevant expenditure for rate support grant includes loan charges, revenue contributions to capital expenditure, and certain housing subsidies.

£10.5bn, compared with figures of £2.1bn out of £5.4bn in 1974. In addition local authorities also borrowed from central Government, which is in effect equivalent to another slice of the borrowing requirement, adding up to total percentages of the Public Sector Borrowing Requirement of 53 per cent. and 27 per cent. respectively in the last two calendar years. The build-up in local authority borrowing largely, though not entirely, reflects the parallel rise in councils' capital spending (in turn between 28 and 30 per cent. of total local authority expenditure). Borrowing accounts for about three quarters of the capital needs of councils—the other sources being Government grants for 5 per cent. revenue with 10 per

cent. and sales of capital assets another 10 per cent. However, the gross (rather than net) amount which local authorities borrow each year is larger than their capital spending. This is because a large part of local authorities' debt is initially raised for periods which are much shorter than the life of the related asset. So councils are continuing to raise money to refinance borrowings, in addition to any new demands.

Unknown

The main source of loans for councils is the Public Works Loan Board—accounting for slightly over 40 per cent. of outstanding debt in recent years—which is a statutory authority

making loans from funds authorised by Parliament. Local authorities are allowed to borrow as of right an annual quota based on estimated capital spending and refinancing needs with variations between development areas and the rest of the country. Loans are a minimum period of 10 years and repayment is by instalments. Quota loans are at rates of interest marginally above the cost of the Government's borrowings. Apart from the general run of loans the Board is also a lender of last resort to local authorities which have shown that they are unable to raise money, approved by official loan sanction, in the market. In addition, over the last year, local authorities have also been able to obtain further loans apart from those in the quota without having to show that the money cannot be raised in the market: though interest rates will be higher.

The domestic capital market also provides a wide range of money raising facilities via the stock and money markets which local authorities can tap. They include banks, insurance companies, building societies, pension funds, as well as private individuals. The type and amount which can be borrowed, is, of course, dictated to a considerable extent by market conditions.

Local authorities were, for example, able to attract large sums in yearling bonds during the period of particularly high interest rates of 1974. Conversely, councils were not able to raise more than a negligible sum from the market in the form of long-term listed securities in that year. Conditions changed radically, however, in 1975 and a number of large local authorities came to the stock market for five-year loans. Overseas currency markets are also open to local authorities, subject to the consent of the Treasury—control is governed by balance of payments considerations. Moreover, consent for borrowing in

foreign currency markets is limited to authorities or groups of councils with total outstanding loan debt of more than £500m. Among the authorities to have borrowed in this way are: Birmingham, Bristol, Coventry, Dundee, Edinburgh, Glasgow, Kent and Essex, Lanark, Lancashire, Liverpool, Corporation of London, Greater London Council, Manchester, Nottingham, and Teesside. Most of these loans are in U.S. dollars, though some are in Swiss francs, and most—with one or two notable exceptions—are covered against the fall in the value of sterling by the Treasury's exchange cover scheme.

In addition to these main sources of finance, local authorities can borrow on a short-term or temporary basis, though borrowing of less than a year is limited to 20 per cent. of total loan debt and money borrowed for less than three months must not exceed 15 per cent. of outstanding loan debt. Some authorities have been moving up towards this limit in the last few years, and combined with the impact of generally higher rates of interest the debt maturity pattern has altered to increase the proportion of short and medium term borrowings. Thus according to the Chartered Institute of Public Finance and Accountancy, debt of up to one year—including, of course, longer-term borrowings nearing maturity—has risen from 28 to 45 per cent. of the total since 1968, while debt of over 15 years has dropped from 28 to 6 per cent. of the total. The shift in the debt profile has increased the amount of refinancing—at generally higher rates of interest—and indeed the average rate of interest being paid rose from 8 per cent. of outstanding debt in 1963-64 to 12 per cent. in 1973-1974. This is still equivalent to a negative rate of interest in real terms (after allowing for inflation).

Concern

The build-up in the level of borrowing and of loan charges—themselves accounting for over a fifth of gross current spending—only partly offset by subsidies—is naturally a subject of serious concern to councils and was examined in considerable detail by the recent Layfield report. The committee was worried that the system might create a bias in favour of capital spending, and hence borrowing, since local authorities have been able to acquire durable assets at a relatively low initial cost to local taxpayers, thus in effect imposing a large debt on future generations.

The committee believed that the current system of borrowing should be retained and rejected suggestions that loan debt should be written off or that the use of capital grants should be extended. Moreover, the Committee also recommended that local authorities should continue to be able to borrow from both the Public Works Loan Board and the market. It argued, however, that the central Government should have new means of control to enable it to influence both the balance between investment and consumption and the total amount of new investment financed from borrowing—in particular the refinancing requirement from the increasing proportion of temporary borrowing—should be kept under review.

Peter Riddell

Housing front

CONTINUED FROM PREVIOUS PAGE

increased considerably, resulting in a large volume of applications in the pipeline. One problem for the societies is that people who last year might have gone to a local authority for help now go straight to a building society, so they do not appear in any statistics put together to show the progress of the scheme.

There is, however, no doubt that building societies are in any case lending increasingly down market, because the overall statistics show an increase in loans made on older properties which are structurally sound and in the proportion of mortgages going to the lower paid sectors of the community. One of the major topics for discussion has been the possibility of local authority guarantees on building society mortgages.

Statutory

Where the societies and the local authorities go from here remains unknown, although the future potential for co-operation is now the subject of discussions at Department of the Environment level.

Ministers have made no secret of the fact that they wish to see the societies con-

tinuing to help in an area which, for the foreseeable future at least, cannot expect too much assistance from local authorities. There is little doubt that societies will undertake to help out on at least the same scale as last year and possibly even further, yet without having to change their long-established guidelines.

If present Ministers have their way, the co-operation between the two sides will go a great deal further than house mortgages, with societies possibly being asked to help finance urban renewal schemes via housing associations and tenant co-operatives. For the local authorities, such programmes would have obvious and significant attractions, but the building societies, which have their hands full with traditional business opportunities, might take a little more convincing.

Michael Cassell

LOCAL AUTHORITY REVENUE SPENDING: ENGLAND AND WALES (£m. at November, 1975 prices)

	1975-76	1976-77	% inc.	1975-76	1976-77	% inc.
Planned	Out-turn	Planned	Out-turn	Planned	Out-turn	
Education	4,580	4,974	+ 8.1	4,770	4,905	+ 2.8
Libraries etc.	151	180	+ 19.2	160	162	+ 1.2
Health and Social Security						
Personal Social Services	747	775	+ 3.8	805	846	+ 5.1
Port Health	2	2	—	2	—	—
Home Office Services						
Police	749	773	+ 3.2	799	838	+ 4.9
Fire	194	207	+ 6.5	204	212	+ 4.0
Adm. of Justice	76	82	+ 8.0	86	91	+ 6.0
Urban programme	19	19	—	23	—	—
Other	18	20	+ 11.1	20	—	—
Local Transport						
Concessionary Fares	46	66	+ 43.5	62	83	+ 34.0
Revenue Support	732	755	+ 3.1	133	206	+ 55.0
Other	732	755	+ 3.1	563	601	+ 6.8
Environmental Services						
Refuse Collect.	252	272	+ 8.0	257	274	+ 6.6
Disposal	246	253	+ 2.9	239	242	+ 1.3
Leisure Services	115	141	+ 22.8	135	—	—
Health	103	123	+ 19.4	125	—	—
Planning	19	19	—	19	—	—
Consumer Protection	18	23	+ 27.8	18	—	—
Cemeteries etc.	10	16	+ 60.0	3	—	—
Trading Services	221	226	+ 2.3	213	—	—
General Administration	121	143	+ 18.2	128	—	—
Other	28	34	+ 21.4	30	26	- 13.3
Housing	25	27	+ 8.0	28	—	—
Employment	—	—	—	—	—	—
TOTAL CURRENT EXPENDITURE	8,613	8,812	+ 2.3	8,821	9,238	+ 4.7
Housing subsidiaries	215	201	- 6.5	169	277	+ 63.9
Revenue contrib. to cap. exp.	432	370	- 14.5	352	—	—
Loan charges	987	987	—	1,120	—	—
TOTAL RELEVANT EXPENDITURE	10,250	10,369	+ 1.2	10,461	—	—

1. For rate support grant purposes.
2. As reported by local authorities in November 1975; subsequent returns indicate that total current expenditure in 1975-76 may have been 1.2 per cent. higher than estimated in November 1975.
3. As reported by local authorities in May 1976.

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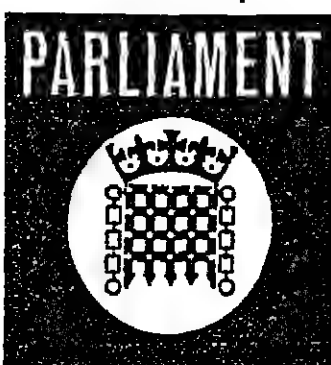
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Metric plans face mauling in Lords

BY JOHN HUNT

No political pressure on sterling - Sheldon

NONE OF the major official holders of sterling played a predominant part in the recent pressure against the £ and there is no evidence to support the rumours of widespread market sales by Nigeria, Mr. Robert Sheldon, Financial Secretary to the Treasury, stated in the Commons yesterday.

He was replying to Mr. Ken Weir (Lab. Ipswich) who asked if there was any evidence that recent fluctuations in sterling had any connection with political and diplomatic factors. Mr. Sheldon recalled the Chancellor's statement of June 7 that about a quarter of the fall in reserves in early March was attributable to reductions in the sterling balances held by overseas residents. These included private as well as a large number of official holders.

He had no evidence that political or diplomatic factors affected the movements of official or other sterling balances. Mr. Norman Tebbit (C. Chingford) questioned the Minister about the total amount of loans, deposits and other transactions concerning which the Government had given undertakings, assurances or guarantees of the value of sterling against other currencies.

The Financial Secretary replied that the only assurances that the Government had given were those for foreign currency borrowings under U.K. public sector bodies under the exchange cover scheme.

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THE GOVERNMENT'S plans for metrication had antagonised the consumer and could lead to confusion followed by resentment, Lord Elton, a Conservative front bench spokesman, warned in the Lords yesterday.

He was speaking on the second reading of the Weights and Measures (No. 2) Bill which gives the Government the power to enforce cut-off dates for imperial measures in order to ensure that industry and retailing goes over to the metric system.

But Lord Oram, a Government spokesman on trade and prices, made it clear that there was no possibility of the Government climbing down on its metrication proposals. Already, he stressed, much of industry had gone metric and this was more and more reflected in consumer products.

"The metric system is in such widespread use in so many areas of our national life that it is totally unrealistic to suppose that it can be stemmed let alone turned back," he declared.

The legislation, in a slightly different form, was introduced in the Commons earlier in the year. But it was withdrawn before second reading because of the hostility of Government backbenchers who were so great that it would have been impossible to get it through the House.

As a result, the new Bill has now been introduced in the Upper House where it is likely to be heavily amended during the committee stage before being sent back to the Commons.

The measure was given a mixed reception by peers yesterday. It was apparent that there was a good deal of opposition to it on the Labour benches.

Lord Elton, the veteran Labour peer, asked Lord Elton whether the Tories intended to vote against the Bill in view of their many criticisms of it. If so, he said, they could rely on his support.

Lord Elton replied that he did not want to go quite as far as that at this stage. The Conservative peers would be looking at the Bill very carefully before committing themselves to a vote.

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particular want to ensure that no dictatorial powers were given to the Government and would need to be satisfied about any powers given to the inspectorate.

They would be particularly interested in any proposals to render more satisfactory the arrangements for transition to metric weights. At the moment, it was possible for a packet of tea to vary by half a gram in translating it to metric measure.

The Opposition view was that the Bill went some way to satisfy some sections of manufacturing and distribution. But it had exasperated some companies and went a long way to antagonising the consuming public. The Government had done less than it could to convince the purchasing public of the desirability of this piece of legislation.

"We don't welcome this Bill with enthusiasm," Lord Elton declared. "But we will at least endeavour to see that it leaves this House better than it enters it."

He also suggested that there should be some form of Government aid to help industry with the high cost of reequipment entailed in conversion. This, he said, was something for the Treasury to look into. A system of tax allowances or benefits could be made to coincide with any timetable of reequipment.

Mr. Ruggles, introducing the Bill, had told the Commons that metrication was "nothing more than hired killers who murder to order for no other purpose than commercial gain."

He stressed, however, that the emergency powers would be available only when necessary and could be used only with the appropriate Parliamentary sanction.

No Government could afford to be without measures to deal with the energy crisis or with the need to ensure that the country's resources were used in the most sensible way.

Dr. Mabon said the Government would want to reinsert the clause at committee stage. This was in the interests not only of private commercial and industrial consumers, but was also an important reserve power for possible use in long-term energy policy.

There was very great concern in the petrochemical industry at these "rather daunting suggestions." Under the pretext of either an energy crisis or conservation, the Government would have tremendous authority to decide matters for the fuel industry.

Many feared that this would stultify the private sector and inhibit risk capital which was essential if we were going to have exploitation of further fuel resources.

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Amery lashes party leaders

BY PHILIP RAWSTORNE

FORMER Tory Minister Mr. Julian Amery yesterday bitterly attacked the party's leaders for their failure to vote against the Commons move to ban the recruitment of mercenaries in Britain.

"By their action, they have given the green light to the Communist Angolan authorities to go ahead with the judicial murder of the British mercenaries now in the dock in Luanda," he declared.

Mr. Amery's outburst followed an unsuccessful attempt by Conservative backbenchers to block the introduction of a private member's Bill, sponsored by Mr. Robert Hughes (Lab. Aberdeen North) which would prohibit recruitment advertisements.

The Bill was given a first reading by 194 votes to 89, though it has little chance of becoming law.

Mr. Amery said that the failure of Mrs. Margaret Thatcher, Mr. Edward Heath and members of the shadow Cabinet to join backbenchers in voting against the Bill was a disgrace to the Conservative Party.

The situation would have been different if British mercenaries had not been on trial. "But the people's lives are at stake. This party's activists and could encourage another upsurge of unforgivable," he declared.

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LIBERAL CONTENDERS: JOHN PARDOE

A natural belligerent comes out fighting

BY PHILIP RAWSTORNE

THE LIBERAL leader should be a subversive not an ersatz Prime Minister. . . a revolutionary who would transform the political system, not seek to join it.

Mr. John Pardoe quotes the views with self-identifying approval. He came into politics out of anger over Suez, twenty years later he has lost none of his passion.

Now he enters the leadership election intent on persuading his party that its only hope of success lies through the turbulent drive that he can provide.

The Liberal faith needs an evangelical movement if its principles and policies are to be promoted to power, he believes. And, for six years, he has waited with growing impatience to lead it. "Perhaps that's arrogant—but never mind."

Pardoe pours scorn and derision on the ritualised democracy of the two-party system. "We must never clutch the cloak of establishment too close around us or warm ourselves too well in its folds," he says.

His iconoclasm causes shivers of apprehension in some sections of the party; a discomfort that finds no solace in his tendency to exaggerate effect at the expense of judgement.

But his sheer energy and enthusiasm warm many of the party's activists and could encourage another upsurge of cycle of the party's fortunes since 1974.

Pardoe may represent a risk—but what can the Liberals achieve without taking one? The party's road to power, he says, lies in first changing the system of Government. "We have allowed the method by which we govern ourselves to fossilise. The electoral system, Parliamentary procedures and the Civil Service bureaucracy require radical reform."

But, against the vested interests they represent, the Liberals could make no headway.

The Executive's World

EDITED BY JOHN ELLIOTT

Arthur Smith outlines how a footwear manufacturer aims to counteract foreign imports

Shoemaker sizes up to imports

FOOTWEAR, one of Britain's traditional industries, has been squeezed more than most by recession and an upsurge of foreign imports in a way which illustrates problems faced by other key U.K. industries.

The problems confronting the industry are demonstrated dramatically by the Ward White Group, one of the nation's largest footwear manufacturers. Over the past two years this company's production capacity has been cut by a third and the labour force reduced from 7,000 to 5,000.

Distribution—buying and selling shoes produced elsewhere—last year accounted for some £20m. of the £40m. turnover and is becoming more increasingly important.

Role to play

Mr. Philip Birch, the 53-year-old managing director of Ward White, is concerned that these problems are common to a wide sector of British industry and says: "Over the recent years the nation has increased its consumption of foreign-made manufactured goods with the result that our own manufacturing industry has declined."

Stressing the importance to the country of a solid manufacturing base, he adds that the footwear industry, and his company in particular, has a role to play in restoring the situation.

Mr. Birch studied engineering



Mr. Philip Birch, managing director of Ward White Group

share of the U.K.'s fairly static market for shoes, while exporters are unable to boost sales sufficiently to compensate.

The industry has focused attention upon low-priced imports from the developing nations and upon footwear from the East European block, allegedly dumped in this country at less than production cost. In recent years, too, the French, with a comparable economy, and the Italians have made great advances in the British market.

Many reasons have been advanced for the poor performance of the British industry—outdated production practices, backward design, inefficient marketing and a slow response to fashion changes. These are the sort of issues being considered by a working party set up by the Government to investigate the industry and recommend a programme of action.

One of the factors Mr. Birch sees as a handicap to the home industry is a failure to maintain quality standards. He suggests, for example, that because the industry is so price-con-

scious, much of the better quality leather supplied by British tanners is sold overseas. He argues that the British industry must demonstrate that its products are better than those produced by the cheap import sources such as Spain, Portugal or Eastern Europe. In line with this philosophy, Ward White has tended to move up market and put the emphasis upon quality. At the same time a more selective approach has been adopted towards manufacturing.

Crucial to this policy is the management structure, which Mr. Birch implemented upon acquisition of the George Ward organisation in 1972. The distribution and manufacturing functions are organised in separate divisions. In practice this means that a distribution company, like Britton, which holds the "Tuf" and "Glu" brand names, can offer a full range of footwear but can buy in supplies from any company in the world. Thus the "Tuf" rubber and canvas leisure wear comes from Taiwan and the felt boots from Spain. Wherever a distribution company feels it can get required supplies at a better price outside the group, it is allowed to do so. In the same way, G. B. Britton, which manufactures men's and boys' footwear, can sell to whichever market appears best.

Complete

"Our manufacturing divisions have to compete on their merits with the rest of the world. It is obviously not always popular with the executives who run those companies, but I am sure it is to the benefit of our competitiveness," Mr. Birch declares.

Under this policy some three-quarters of the group's manufacturing capacity in ladies' footwear has been closed, largely under the impact of imports, particularly sandals, from Italy. Production of men's



Benelux moves on competition

BY A. H. HERMANN

THE DUTCH are taking their first cautious steps towards establishing both consumer protection legislation and more effective curbs on restrictive practices and abuses of market dominance. At the same time the Belgian Government appears to have decided that the introduction of mild anti-trust measures may be a preferable alternative to price controls.

Luxembourg has already adopted competition legislation modelled on the EEC pattern but intends to enforce it gently.

British, German and U.S. companies will find it easy to adjust to whatever changes this new Benelux legislation will bring because they are used to stronger stuff at home. The changes may even ultimately benefit foreign medium and small-size companies interested in the Benelux market but hampered at present by the many cartels and other less formal restrictive practices used by Benelux traders.

Indeed, should the various legislative projects now being discussed become law, the Benelux business community would have to adopt a completely new outlook and cease regarding competition with a reduction in distribution stages as unfair.

Seen in a European context, the Benelux developments are a result of the same stresses and pressures generated elsewhere by inflation and by the slowing-down of economic growth. In all countries government are under pressure to eliminate unnecessary price increases. In countries with effective restrictive practices legislation, small- and medium-size firms want to be allowed a higher degree of co-operation in order to survive.

There are also demands for stricter merger controls and it is being argued that if the weaker firms are allowed to go under now, there will be no one left to compete with large companies when economies recover.

In Benelux countries, however, the effect of these economic stresses is different because Government intervention in consumer affairs and restrictive practices has been virtually non-existent. Business life instead is controlled by trade associations whose power is almost as great as that of medieval guilds. Trade unions and the Left-wings of Socialist parties consequently want to open up these closed rings to public control in the

hope of securing a better deal for the consumer as well as for more basic political reasons.

Even consumer complaints are dealt with in Holland only within the confines of individual industries, which do, however, have consumer representatives sitting on complaints boards together with representatives of industry.

The first step taken in Holland towards consumer legislation was the passing of an Act which established certain consumer protection for door-

Economic problems have led some countries to re-examine their policies on consumer protection and on restrictive practices

to-door sales. Under this legislation there must be a written contract and the consumer can change his mind about a purchase within a "cooling-off" period. The next step will be an Act against misleading advertising.

However gentle this proposed legislation may seem to be, it is bound to come as a shock to many Dutch businessmen whose hostility to any public interference can be best illustrated by a court case started by Niemeyer, a large tobacco firm, which is now pending before the Appeal Court in Leenwarden.

A Government-appointed committee arrived at the conclusion that the method of indicating nicotine contents in cigarettes by the number of black dots printed on the cigarette is misleading the consumer. Though it did not name Niemeyer, which uses this method, the committee felt that the publication of such a report could damage its sales and obtained a court injunction stopping the committee from publishing its report.

While the Dutch business federations dislike Government interference in consumer affairs, they are even more strongly opposed to a really effective regulation of restrictive practices. Like all small countries, both the Netherlands and Belgium see cartels as a useful means by which small and medium-sized companies can combine in order to compete with large concerns. One consequence of the recession is that such small and medium-size firms cling even more anxiously to the possibility of

arranging cartels in order to protect their interest in a shrinking market.

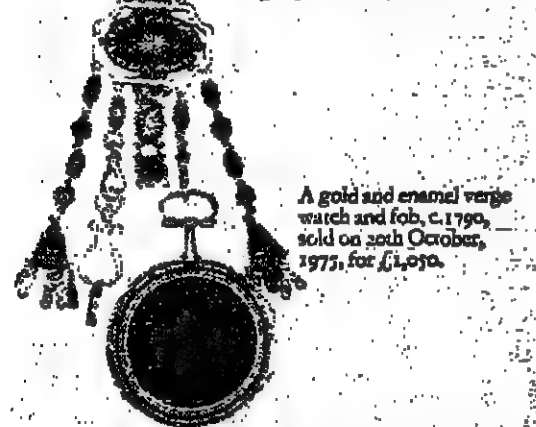
In the field of restrictive practices legislation, the Netherlands is more advanced than Belgium. Pre-war legislation, which was designed to protect cartels, was replaced in 1955 by a Competition Act under which the Government received powers to control not only restrictive practices but also the abuse of market dominance.

A new restrictive practice Bill now being discussed would provide a general prohibition of retail price maintenance and of horizontal price agreements. Generous exemptions would be possible, however, particularly for cartels required by an industry to tide it over recession and or to facilitate restructuring. But the opposition to even this limited proposal has been so great that the Government decided to withdraw it from Parliament without letting it go to a vote. Discussions then took place at the end of April resulting in a further weakening of the plans to introduce a general prohibition of cartels. The Bill will now be amended to link cartel control with the promotion of structural changes aimed at helping industry to fight recession.

In Belgium, which is second only to Italy in the permissive attitude to restrictive practices and monopolies, the Government has decided that it is wiser to invoke the examples of Germany where, as it claims, anti-trust measures made it possible to contain inflation without price control. The alternative, which it shunned, would have been to yield to demands for direct price controls. A draft Bill on competition is now being discussed with industry and the trade unions and the Government hopes to have it passed by 1978—although some observers believe that it will take possibly two more years.

The proposals follow EEC competition rules fairly closely. Restrictive practices would be prohibited and companies in dominant positions would have to be registered. Abuses of dominance would be prosecuted. Large-scale mergers would need Government approval. Most important of all, the legislation would provide for the establishment of an enforcement agency on the model of the German Federal Cartel Office, though tempered by giving the Minister of Economy powers to change or revoke any decision of the agency within 40 days.

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BUSINESS PROBLEMS

Non-residents' exemptions

Many British funds listed in the FT Share Information Service are marked with a portcullis denoting that they are "tax-free to non-residents." Does this mean that each security so marked was issued by the Treasury on the terms that:

- (a) the interest is not liable to U.K. income tax so long as the security is in the beneficial ownership of a person who is not ordinarily resident in the U.K. (T.I.1970, s.99);
- (b) any capital gain on disposal is exempt from capital gains tax so long as the security is in the beneficial ownership of a person who is neither domiciled nor ordinarily resident in the U.K.;
- (c) the security is excluded

property for capital transfer tax purposes so long as it is in the beneficial ownership of a person who is neither domiciled nor ordinarily resident in the U.K. (FA1975, s.47, para. 3); and

(d) the security is exempt from estate duty (if applicable) so long as it is in the beneficial ownership of a person who is neither domiciled nor ordinarily resident in the U.K. (F(2)A 1961, s.22).

The brief footnote in the FT Share Information Service pages is indeed intended to mean that each of the British Government Securities marked with a portcullis (a pair of double obelisks) carries the exemptions outlined in your letter. Occasionally the symbol is misplaced (for example Treasury 12 1/2 per cent 1981 was unmarked until recently), so the terms of issue should always be checked with the broker before a purchase is made. An example of the standard terms of issue in recent years may be found in the pre-exemption for Treasury 15 per cent 1980 which appeared in the Financial Times on January 13 (the day you wrote to us).

Perhaps we should add a few minor comments on the four exemptions listed in your letter:

- (a) Except for Victory 4 per cent 1976 and War Loan 3 1/2 per cent (undated), which were issued before FA1940, S.60, the income tax exemption does not extend to securities connected with a U.K. trade, for example, a Lloyd's underwriter's reserve investment. The exemption may be restricted where the securities are sold ex-dividend, and may be negated under TA 1970, S.23, inter alia.
- (b) The exemption from CGT is implicit in the terms of issue (which refer to taxes present and future), and so the statutory authority is F(2)A 1915, S.47, of F(2)A 1951, S.22, according to the date of issue. At first, the Revenue took the view that the restrictions imposed under FA1940, S.60, on the income tax exemption carried implied restrictions on exemption from the charge to CGT under FA1965, S.20(2), but this view was abandoned after a year or so.
- (c) The CTT exemption is not restricted by the attribution of a notional U.K. domicile under FA1975, S.45 (see Sch.7, para. 3(1)).
- (d) The estate duty exemption was adjusted by FA1951, S.24, and restricted by FA1966, S.41; both provisions are repealed by FA1975, Sch.13, part I.

Agricultural Holdings Act

We have read in the past from your columns that on the death of a tenant the freeholder can claim the tenancy of agricultural land. What is the position if the freeholder has never been notified of the tenant's death and some time after the expiry of the three-year period learns that a son with another type of business occupation is farming the land? Subsection 24(2)(g) of the Agricultural Holdings Act 1948 does not appear to have been con-

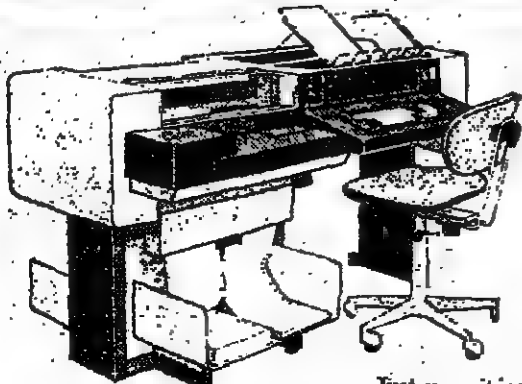
BY OUR LEGAL STAFF

sidered judicially in the light of the possibility that the landlord may not know of the tenant's death in time. This may be because a landlord would readily obtain consent from the Agricultural Lands Tribunal in such a case.

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WEDNESDAY, JUNE 16 1976

Stage Three and after

TO-DAY, IT can be expected more freedom for the Government to pursue responsible economic policies, and high time too.

In the next year, in other words, we must prepare to put wage bargaining back where it belongs, in the workplace, and between employer and employee. Can that be achieved without abandoning some restraint? Mr. Jones says that it can, provided that the transition is planned. He repeats the TUC's demand for progress with planning agreements.

Many employers may be tempted to regard this demand as provocative claptrap, but if it is translated into the objectives which the trade unions have at heart, it becomes more understandable. The unions have recognised that their success in their historic objective of enlarging the share of national income going to wages, at the expense of profits, has been pushed to the point of self-destruction. An unacknowledged purpose of wage restraint has been to permit industry to generate the cash for solvency and expansion. It is not surprising if they now demand some assurance that the funds made available as a result of wage restraint will be used for the expansion of earning power and job opportunities. The new President of the CBI, Lord Watkinson, seems already to have recognised this in some of his public speeches. If planning agreements — spelled without capital letters — meant plans discussed and agreed with employees, few enlightened employers would object to them.

Opportunity

The difficulties of such a move are obvious; but provided that they are recognised in ample time — and a year will hardly be too long to tackle them — then the challenge could prove an opportunity rather than a threat. If realism and responsibility which has been shown by the TUC concluded that a centrally agreed wage bargain had to be simple and rigid. Rigidity increases strain, and that is why there can be no similar deal again. There must, says Mr. Jones, be an ordered move towards free bargaining.

The labour market has been distorted: anyone who believes that the economy can only thrive through the growth of new industries, new methods and new skills must acknowledge that the present suppression of incentives must be brought to an end. More immediately burdensome has been the cost in terms of Government policy. Mr. Healey came to office determined on sound fiscal and a free-for-all in wages, and wage restraint has been bought by abandoning monetary policy, no amount of fiscal restraint. More freedom realism at the bargaining table for the unions should also mean will avert disaster.

Race: the danger of 'benign neglect'

THERE is probably a greater danger of a spread of racial ill-feeling, with all its ugly consequences, in Britain to-day than at any time in the past decade. The reasons for this are clear. The propensity to exaggerate fears and tensions arising from the presence of a tiny non-white community in our midst has fed upon itself: at the same time the flames have been fanned by politicians who see profit for their own careers in such a policy. The recent incidents in parts of London, which the police say should be seen in the context of a far greater volume of violence not connected with race, have been presented — not least on television — as a form of racial confrontation, and it seems likely that this kind of report has a tendency to become a self-fulfilling prophecy.

Escalation

Yet as the latest annual report of the Runnymede Trust makes clear, with the Government's new race relations legislation, "most people are likely to take the view that the law has been taken about as far as any law can reasonably go in providing a basic framework for safeguarding minority rights and guaranteeing access to equal opportunity." Sadly, there is more to it than that: the law may prevent people from acting in an overtly discriminatory manner, but so far it has been less than wholly successful in curbing the growth of racial hatred in certain boroughs, trade union leaders have not let alone in preventing the escalation of inflammatory into practice the fine anti-statements by some politicians, racialist words spoken at the 1975 British people are decent top levels in the TUC. The enough in their instincts, but dancers will cross until those who are not are more likely to believe according to

Government policies

More fundamentally, "benign neglect" in Britain is really another name for fear. Some of our Government departments, particularly the Department of Employment, have led the way in trying to establish reasonable opportunities for non-whites. But there never has been a really concentrated Government programme, directed from a central source, to ensure that this 2.5 per cent of our population is properly cared for and assimilated, so as to minimise the causes of tension. Only a programme of that kind would really meet the needs of the present situation. It would be the opposite of neglect. The trouble is that governments of both parties have feared to grasp this nettle, while most trade union leaders have not let alone in preventing the escalation of inflammatory into practice the fine anti-statements by some politicians, racialist words spoken at the 1975 British people are decent top levels in the TUC. The enough in their instincts, but dancers will cross until those who are not are more likely to believe according to

Private steel companies discuss before a Commons Committee to-day the competition with BSC for ferrous scrap. Roy Hodson reports.

The modern heirs of Steptoe and Son

WHO ever heard of a for other reasons but has been speculative futures trading market in the classic form to deal in old iron? The idea is being taken seriously in the United States. It may become possible there to have a flutter "on the margin" with possible price shifts for crushed and baled motor cars and discarded bedsteads.

An American futures market for scrap has been mooted by the U.S. Department of Commerce rather against the wishes of the scrap metal industry there. It is another manifestation of the growing importance of scrap metals, and in particular of ferrous scrap, to the economies of advanced industrial nations.

The U.S. Government sees such a market as a possible short-term method to remove a major uncertainty from the calculations of the steel mills which rely heavily upon scrap as the base material for their furnaces; and thus to inject a welcome stability into the prices that American manufacturing industry can expect to pay for steel supplies.

Any progress that the Americans make towards managing scrap prices without causing supplies to dry up will be watched with interest in Britain and Europe. For the problems are just the same on this side of the Atlantic. A new volatility has appeared in ferrous scrap prices during the last three years which is proving embarrassing to all trading in or using steel.

New Market forces

For many years the price for heavy melting scrap — covering 60 per cent of the ferrous scrap used in Britain — remained apparently immovable at £12 a ton. But by April 1973 it was clear that some new market forces were at work as the price crept up to £15 a ton. By 1974 it had soared to £26 a ton only to slump heavily to £23 during the industrial recession of 1975 when steelmaking fell to low levels. The market bounced back strongly this year. Scrap touched an all-time peak of between £42 and £45 a ton in April. That was enough to cause the British Steel Corporation, Britain's biggest user of ferrous scrap, to prepare contingency plans to introduce a surcharge on their steel prices if the price of scrap remained at such levels.

Since April the price has come down to about £36 to £38. The trade is breathing more easily with the demand for ferrous scrap reported to be healthy and supplies to be quite adequate. British Steel is having to increase steel prices

In theory such a cycle should be self-perpetuating with the aid of constant topping up by iron ore. In practice it can easily be thrown out of balance. There are four principal reasons why the scrap balance is precarious these days in Britain.

Britain's great legacy of heavy industrial scrap dating to the Industrial Revolution is all but used up; scrap is getting much harder and more expensive to recover from modern usages of steel. British scrap is now part of the wider Common Market among scrap trades, that scrap system; the steel industry in Britain, Europe, North America, and perhaps some other parts of the world are moving towards a state of permanent shortage of good quality ferrous scrap. Such a situation would have a special impact upon the system of scrap trading. The American novelty suggestion of a scrap futures market is an example of what might happen.

The Victorians and Edwardians were great builders and fashioners of imposing and substantial works in iron and steel. The scrap industry has been feeding upon their iron and steel ever since. But now most of their legacy has been

NEW PRIVATE SECTOR STEEL CAPACITY

Steel Making Capacity (Tons a Year)	Operational Date	Products
Sheerness Steel, Sheerness	1972	Bars
Lloyd-Cooper, Dudley	1974	Billets
British Reinforced Concrete Engineering, Birkenhead	1975	Bars and rods
Manchester Steel (Elken Spicersverket), Manchester	1975	Billets
GKN Rolled & Bright Steel, Cardiff	Est. late 1976	Billets
Alphasteel, Newport, Mon.	Est. late 1976	?
Additional electric arc furnaces have been or are being installed at these existing works:		
Round Oak	250,000	
Brown Bayley	200,000	
Parent Shaft	400,000	
Dupont	500,000	

The total potential, increased scrap consumption at the new mills and existing works is c. 7m. tons a year.

Clearly there will also be a gathered in: their factories, many of their bridges and railways, their steamships, and the great battleships, have been cut up and fed back into the furnaces. The big scrap companies with ship-breaking divisions and liners were available. A ray of hope for them is that they believe the shipping recession may put some of the early super-tankers into their hands before long.

The ways in which steel is being used, in modern society makes it ever more difficult to recover and recycle. To reclaim the scrap contained in, say, a refrigerator can be costly because plastics, other metals, and wiring have first to be separated. Public buildings now being demolished tend to hide the steel used in their construction under thick claddings of concrete and then the steel in the form of reinforcing bars and tensioning wires. There may be up to 10bn. tin cans used each



A paradise of scrap, but more than totters are needed.

The changing needs of steel-making is perhaps the most important reason why scrap is likely to be in short supply in Britain. The philosophy of the British Steel Corporation is to develop integrated coastal steel plants based upon giant blast furnaces using imported ore. Their need for scrap is limited. But BSC has to purchase a great deal of scrap to feed its big electric arc furnaces in the Sheffield area. And the new steelmaking programme of the private sector British steel companies is heavily dependent upon scrap supplies being available at reasonable prices.

The accompanying table shows how installation of new electric-arc steel furnaces by private companies in Britain is moving quickly ahead. The total extra scrap requirement for these capital developments could be an additional 2.5m. tons of good ferrous scrap a year within the next year or two.

Faced with the new high level of scrap prices, the steel companies have been thinking of ways of reducing their dependence upon scrap. The British Independent Steel Producers Association has considered helping into existence a consortium to run a direct reduction plant which would provide the electric arc furnaces with an alternative raw material to scrap. But the way things are moving it seems most likely that the private sector companies will continue to rely heavily upon scrap in the foreseeable future: perhaps using both reduced ore to supplement their materials needs and as a weapon to restrain scrap prices.

It would be facile but untrue to suggest that ferrous scrap recovery in Britain, which is now a £400m. a year trade, has moved a long way from the image of the local totter. Collection of household scrap still starts with thousands of tin cans and cart concerns as at undisciplined prices does not appear to have been the right answer. It may even have contributed to the rise in prices. Scrap reclamation is one of the last remaining corners of the recovery system it is sold business where a hard-working and re-sold and inevitably goes free-trader can make his million into the yards of the 650 members of the British Scrap Federation. Again, only the successfully-these entrepreneurs bigger companies have the plant

More active trade

To secure balance in the scrap market there will have to be more active importing and exporting with the other members of the EEC. A leaf might be taken from the Belgians' book. In supplying scrap to their large steel industry, and hampered by a small catchment area, they have both import and export about 1m. tons a year. The steel companies themselves can contribute towards a stable scrap market by careful purchasing policies involving continuing relationships with the scrap merchants. However, the British Steel Corporation's latest attempt in that direction by arranging a series of private contracts for scrap has not been successful. It may even have contributed to the rise in prices. Scrap reclamation is one of the last remaining corners of the recovery system it is sold business where a hard-working and re-sold and inevitably goes free-trader can make his million into the yards of the 650 members of the British Scrap Federation. Again, only the successfully-these entrepreneurs bigger companies have the plant

MEN AND MATTERS

An appointment of interest

Apart from the civil service one can think of few areas where managerial hierarchy is more clearly defined than in the clearing banks. Thus the appointment of Norman Jones, 52, as deputy group chief executive of Lloyds Bank, appears unremarkable since he began his banking career in 1940, achieved his first managerial appointment with Lloyds in 1955, and has subsequently worked his way up through the bank.

The real interest lies however in the implications of the appointment for the managerial structure of Lloyds. With its rapidly expanding international activities Lloyds appears to the outsider to have developed something of a parallel management system. Even insiders are not wholly certain of what is going on, and further appointments in the pipeline will have to emerge before things really settle down.

In July 1973 "Peter" Piper became Lloyds' first group chief executive, and was succeeded as chief general manager by John Montgomery. With the acquisition of Bank of London and South America (BOLSA) plus a Californian bank and one or two other international developments the way things worked out was that Montgomery managed the domestic banking side while Piper, although involved in overall group affairs, concentrated mainly on the international business.

It is a reasonable inference that the appointment of Jones puts him in line to succeed Piper — who is due to retire in three years if he follows the normal Lloyds principle of going at 60. Meanwhile, however, there is some confusion over the relative seniority of Jones and Montgomery.

The confusion seems to arise over a dual definition of the



ally in the future — thus their own company's products adding another skein to the apparent management tangle.

Risque

China's population is hovering near the 1bn. mark, and in such a controlled society, keeping the numbers within bounds is presumably counted an important national objective. What then should one make of the recent Sino-Scottish trade deal?

According to a report in the U.S. China Business Review, China is buying 15,000 pairs of antlers from Baxters of Speyside. It is not at all clear why the austere People's Republic has suddenly decided on such a consignment. (Also going out, for equally obscure reasons, is soup from the "more private parts of the stag," as the review puts it delicately.) Deer horn is traditionally regarded as an aphrodisiac and frequently appears as an ingredient of medicine exported from China to Chinese communities abroad.

One of the elements in the latest round of ideological disputes in China concerns what should or should not be imported. Whether the horn counts as raw material or technological innovation, someone in China's ageing leadership seems to have decided that life isn't all work and slogans.

Leyland's new sales pitch

You might think these grouses have a familiar ring: "Problems with pre-delivery inspection... delivery delays... lack of product information..." It is Leyland Leyland talking about itself, but not in relation to the car-buying public at large. The group is echoing complaints from its own employees who up to now have not shown overwhelming enthusiasm to buy

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Observer

Demands for "unitisation," liquidation or takeover have followed a rise in the discount of trust shares. Christopher Hill reports

Investment trusts come under attack

مستأمن، لا أصل

IT IS NOT often that an important sector of the stock market reaches the point, that why they should have fallen terms, like "antagonized", and from favour, coupled with a "outmoded", are freely applied growing demand by investors to it, but this now seems to be for something to be done about the case with investment trusts. This has mostly taken the form of demands for either "unitisation," liquidation or takeover of investment trusts— which may be defined as companies with a fixed capital subscribed by shareholders— which invest in stocks and shares, with over 200 of the most part resisted by trust assets, divided between 240 companies. The question now companies: the investment trust is whether this resistance is business, amounts to around justified or whether investment is "not" of the value of all trusts can change their spots quoted stocks in London, and sufficiently to continue to fulfil its purpose, antecedents. These a useful role.

trusts were the pioneers of such projects as railroads in the U.S. Even until 1972 the trusts were an expanding force, with assets rising from £619m. in 1949 to £680m. in 1971. But from 1973 their fortunes have declined and the average discount of the market value of trust shares on net asset value has now risen to the 35 per cent. level. Investment trust shares are said to be at a discount when their market price is below the net amount of the assets belonging to shareholders.

As may be seen from the table illustrating discount levels over the past six to seven years, discounts are no novelty to investment trust shares, but this year seems to be a real crisis point for the trusts. Geared by prior charge loans and with an average of 40 per cent. of their assets in overseas stocks (especially in the U.S.), they have normally expected to be favoured by investors both in bull markets and when sterling is under pressure. In 1975-76 both of these situations have occurred, but trusts seem to have steadily lost ground with an overall widening of discounts. The result has been a reappraisal by the trusts— led

taken place since then and the rise that he is on his way out over-supply caused by the 1972 as a main investment trust investor. Although 663,000 of shares in investment trusts in 1974 were individually held out of a total of 737,000. These holdings accounted for only 40 per cent. of the shares. Some of the major groups admit that institutions hold shares in their trusts up to the value of the 60 per cent. of the total and share supply cannot be ex-stockbrokers point to a steady stream of small sellers.

The most important of these is that one by one the props supporting the concept of a closed-end fund— when the share supply cannot be ex-stockbrokers point to a steady stream of small sellers.

Professional advisers especially seem to have been gradually won over to the concept of unit trusts, property bonds and other open-ended funds during the past decade— partly because they receive commissions for selling units of open-ended funds and partly because their clients have been increasingly exasperated by the wide discounts on their investment trust holdings. The interests in work more closely together. Why not, indeed, start perhaps with this very issue, which would affect the credit terms for every commercial and professional transaction? The framing of a new law would surely benefit from the collective view of those who would have to carry it out. So much the better, if, following the lead by ICL, the exercise caused other companies to take less credit.

The trouble with factoring, advocated by Mr. Forman (June 12), is that to bring in a third party must be invidious. Also, it exploits the false assumption that "it is the duty of the creditor to seek out his debtor." Hence the case for legal reform. A. A. Darg, 25, Norfolk Road, Edgbaston, Birmingham 15.

Bottles and cans

From The Editor, Food Manufacture.

Sir, Mr. R. H. Stothert (June 2) and Mr. M. Godfrey (June 9) are arguing at cross-purposes with Mr. V. Hender, managing director of United Glass, whose statement it was cheaper to know rather than to waste the recycle it was quoted in Mr. Gooding's article (May 24).

If my deductions are correct, Mr. Hender had in mind bottles which are broken into cullet and blended with the raw material fed to the glass furnaces. The other two gentlemen have in mind bottles which come back empty from the customer, go to the filling factory and are repeatedly re-used. In the glass industry, recycled bottles are not the same as returnable bottles, and both sides of the argument have right on their side, but their premises are different.

Food, soft drinks and brewing companies want containers for their products which ideally provide the best protection, greatest sales appeal and lowest cost. It is not usual for all these factors to be present in the highest degree in any one type of container, and the best compromise has to be worked out. The last thing these companies want is to be caught in the crossfire between rival packaging interests.

Now of all times it is necessary for the various sectors of the packaging industry to be seen to be "behaving decently," even if commercial rivalry exists? As Mr. Gooding pointed out, unseemly squabbling could well lead to a tax on non-returnables: this would do no good to anybody and might well cause more waste of resources instead of less.

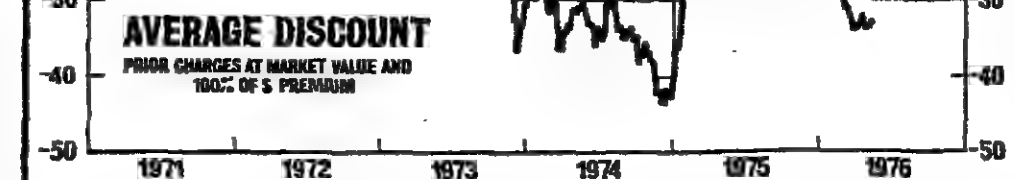
Anthony Woolfen, 30, Calderwood Street, S.E.18.

Reducing the amenities

From Mr. H. Henry.

Sir—Observer in "Men and Matters" (June 14) wonders what examples there are other than the Trade Descriptions Act of well-intentioned legislation actually reducing the amenities available to the consumer they are trying to protect. How about 60 years of rent control legislation by way of a start, followed by the whole range of town planning legislation?

Harry Henry, 11, The Green, Esher, Surrey.



Since the main criticism of investment trusts is that their share valuation does not reflect the asset values of the portfolios, it is the discount aspect which needs explanation. The most common accusation is that investors have lost confidence in investment trusts because the management of companies— at one time pioneering— has become sleepy and conservative, with boards of directors, peopled by appointees who owe more to their prestige and influence than any real expertise. At the same time, it is argued, cross-holdings between investment trust companies in the same groups (exemplified by the Lawson trusts but not confined to them) have made most trusts secure from takeover threats, thus perpetuating "oligarchic" control.

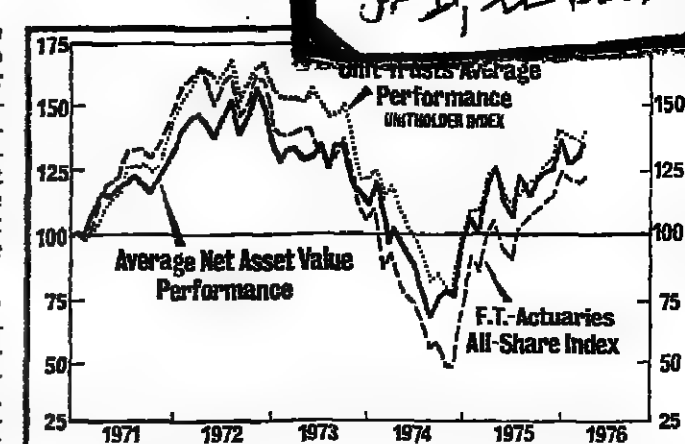
So investment trusts have developed a reputation for poor performance. A further problem is the fact that, riding on the crest of a wave in 1973, 40 new trust companies were launched, flooding the market with £500m. of new stock. No significant new issues have

cause of discounts, the problem the trusts face is how either to shrink the supply of shares or to increase demand. On shrinkage a member of the Association of Investment Trust Companies estimated last week that £500m.-£700m. would need to be removed to bring the discount down to 10 per cent. But the question is how to do it.

The most favoured course recommended by outside commentators is "unitisation"— simply transforming an investment trust into a unit trust, thereby eliminating the discounts. But trusts are generally against this. They believe that institutional holders would not wish to hold units and a lot of the attraction would be removed if wholesale operations started to take place. This would be because of the necessity to repay prior charges as par, to adjust for the dollar premium surrender and to pay contingent Capital Gains Tax. There would also be the adverse effect on share prices of disposing of large lines of stock.

Euthanasia

Similar arguments apply to outright liquidation which has also been recommended as a course, but seems unpleasantly like euthanasia to most trust company directors. But it looks as if there are going to be more unitisations and liquidations whatever the directors think, especially in the area of small trusts. The latter tend to have the worst discounts because they are usually attractive neither to the individual nor the institution. A recent exercise by stockbrokers Laing and Crutwick to assess the effects of unitisation and liquidation on a variety of trusts also seems to indicate that in many cases the loss on the discount would



not be as significant as is often suggested. This is especially the case for trusts with mainly U.K. holdings.

Another course which has been discussed recently is for trusts to be taken over by other institutions which might be eager for ready-made portfolios. But the takeover rules diminish the attraction and of course the trusts try to make themselves as immune as possible from takeovers.

Perhaps the most novel recent proposal is that either there should be some pool which could be used to iron out the excessive discounts or that company regulations should be changed to enable investment trusts to buy in their own shares. This would require a change in the law but it has been pointed out that it seems to work in the case of the Dutch investment trust Robeco. However, "U.K." trusts already do this indirectly to some extent with cross-holdings and one wonders whether direct action would work out well in the case of 240 trusts or whether it would merely lead to accusations of market rigging. An important difference with Robeco is that a positive demand exists for its shares (including 40 per cent. foreign holders) and that for years it has been a net issuer of shares rather than a redeemer.

The more likely course of events in the near-term is that there will be some shrinkage of investment trusts through unitisation, liquidation and takeover—and that the interest created by such activity will itself help reduce discounts. Then there is one other factor. Perhaps the biggest cross the trusts have had to bear in recent years is the lack-lustre performance of the U.S. market. If the latter were to make a sustained upward swing a lot of the current discussion about discounts might well become historic.

The top investment trusts (with assets of over £50m.) in performance terms over the past five years are Scottish United, Drayton Premier, United British Securities, Drayton Consolidated, Scottish National, Investors Capital, Rothchild, Atlas Electric and General, Electra, Foreign Colonial and Investment Trust Corporation according to stockbrokers Wood Mackenzie and Co. This is to the end of 1975.

Letters to the Editor

British oil

From Mr. J. G. Cluff

Sir,—It is profoundly depressing to read (June 14) news of a submission by the British National Oil Corporation to the Secretary of State for Energy, as part of BNOC's submission to the energy forum to be held on June 22, calling for yet more State control of British oil.

Is this what we really want? Quite apart from the presumably indisputable fact that it is inappropriate for a State concern to speculate with the public's money—particularly at this crucial stage in our history—what a tragedy it will be to risk, by continuing interference, losing the opportunity this country has at last to develop a massive, new and innovative industry which it so desperately needs.

Tremendous initiative, capital and energy have now been invested in the North Sea by British companies big and small, exploration and servicing; companies staffed by people whose technical and inventive talent which is now our most vital resource and who are striving to develop a technology which will be in demand the world over for the next half century.

With a brand new technology waiting to be developed and with billions of barrels of oil on our doorstep what an opportunity we have. And what are we hearing from BNOC—proposals which are impracticable at best, but more likely, I fear, potentially damaging to our prospects, our sense of purpose and our balance of payments. BNOC certainly has a role to play and the oil industry a role to play and after prolonged negotiations has accepted it. Will it not be content?

In my own company we are hoping that the present Secretary of State for Energy with his well known belief in British technical capacity will emerge as the champion of the British companies, who clearly now have a unique chance to develop our own resources with our own expertise and then export that expertise for our general good. I hope that the Secretary of State will be both romantic and pragmatic in his reaction to BNOC's proposals and by rejecting the further State encroachment will allow this nascent industry to develop rapidly and responsibly as it has demonstrated it has the ability and the will to do.

Algy Cluff, 58, St. James's Street, S.W.1.

Efficiency is complex

From Mr. M. Barnato

Sir,—The debate on productivity measurement between Mr. Howard (June 11) and Mr. Wood (May 19) while interesting is incomplete.

Mr. Hansard (correctly) points out the danger of measuring efficiency in terms of labour productivity alone without taking into account capital inputs. Mr. Wood (correctly) points out the danger of measuring efficiency in terms of return on capital employed. A high return may, for example, stem from abuse of the stock market's assessment—monopoly position or it might reflect high efficiency in a risky situation; low profitability might be the result of difficult market conditions and industrial conditions not investigated, but it probably does not justify what seems to me to fall into the fallacy of extreme alternatives. Both ways of adjustment in the profits measures have their uses but are misleading when utilised in a detached context.

It is not a question of looking just at one factor of production (i.e. single factor productivity) by

but at investigating output in relation to both capital and labour inputs i.e. total factor productivity. There are many problems in aggregating capital and labour inputs into a single measure. Calculations as developed by Mr. Wood, although this depends upon assumptions that the prices paid for labour reflect its value (marginal product) for its validity is surely still a useful method of approach.

Two further factors should be borne in mind when efficiency is discussed. First, private efficiency may not equal social efficiency. For example, investment in a State concern may be "inefficient" in the context of a private firm because of the risk involved or the capital requirements. Secondly, static concepts of efficiency asking "are the right resources in the right industries being produced at the right scale in a cost-effective manner?" are only part of the picture. In a dynamic and uncertain world questions of product innovation and variety of goods and services are also potentially important.

Michael Barnato, 10, Abbey Gardens, St. John's Wood, N.W.8.

Inflation accounting

From Mr. R. Nightingale

Sir,—I read with disappointment the letters of June 4 and 9 advocating the application of the cost of sales adjustment to net debtors as well as stocks. The principle of adjusting for such an amendment is that it would cause a company's profits to depend upon the means by which its stocks were financed, and would therefore destroy the comparability (over time and between companies) that is perhaps the major advantage of the current cost accounting system.

The argument that the adjustment would bring the financial statement closer to concepts of cash accounting is, on the face of it, a powerful one, but it is weakened by the fact that the residual that is proposed would satisfy no one. It fails to allow for a long way short of genuine cash accounting requirements and at the same time it fails to provide for supporters of the Sandilands ideal as a measure of operational efficiency.

Perhaps the most interesting aspect of Mr. Gibb's letter June 9 was, however, the assertion that the application of Sandilands principles to Barclays Bank produces a financial statement which "clearly overstates profits." There was no expansion of the logic which underlies this statement, but it may very possibly have derived from the fact that while Barclays CCA profits are seven times as large as those of GKN and 12 times the size of those of Tesco, all other objective measures of the size of these companies and in particular example, stem from abuse of the stock market's assessment—monopoly position or it might reflect high efficiency in a risky situation; low profitability might be the result of difficult market conditions and industrial conditions not investigated, but it probably does not justify what seems to me to fall into the fallacy of extreme alternatives. Both ways of adjustment in the profits measures have their uses but are misleading when utilised in a detached context.

It is not a question of looking just at one factor of production (i.e. single factor productivity) by

cial performance of the corporate sector in the last 12 years. The exercise was based on Sandilands principles and recognised, therefore, that the total gain to a company's net worth during a particular period could be divided into a number of categories. The most important of the resulting gradations was the residual that arose from the P and L account, but this was not to say that the other categories of gain were without any significance at all.

Indeed it was the object of the analysis to estimate the relative weightings of each category of profit from a stock market point of view. The results of the work are still fairly tentative because they are based on data of questionable reliability, but within this proviso they do suggest that a weighted average of operating and holding gains provides an enormously better explanation of stock market indices than historical accounts profits, current purchasing power profits or CCA profits on their own.

What is perhaps of greater significance is that the same weightings go a long way to explain the relative valuation accorded to a variety of companies at a particular moment. As the table below shows, the substantially better operational profit of Barclays relative to Tesco and GKN is partially offset by its much weaker holding gains, and the resulting weighted average gain is more or less in line with the stock market valuation of these companies.

	Barclays	GKN	Tesco
Operational	120	18	10
Profit	.....	.....	.....
Holding	.....	.....	.....
Gains	.....	110	18
Weighted	.....	.....	.....
Average	120	73	19
Market Value	£50	400	125
Ratio of market value to weighted average	4.6	5.5	6.6
* Operational profit plus 50 per cent of holding gains.			

R. D. Nightingale, Hoare and Co. Goretz Investment Research, Atlas House, 1 King St, E.C.2.

Liberals as candidates

From Mr. H. Wilson.

Sir,—David Watt in his otherwise excellent article on electoral reform (June 11) is more than a little unfair to the Liberal Party when he refers to the "rag tag and bobtail" which might have been elected in February 1974 if the Blake proposals had been in operation. I am sure that if the chances of more Liberals being elected had been good then more persons, including many of high calibre would have presented themselves for selection as Liberal candidates.

When one reads of the hundreds of applications for a safe Conservative seat then this must be so. There is therefore no danger of a dilution of quality if Liberals are represented in Parliament in a fair and equitable manner.

Henry A. V. Wilson, 66, The Spinney, Benningfield, Bucks.

Overdue debts

From Mr. A. Darg.

Sir,—Mr. Allen (June 9) and other credit managers may wish to comment before October 1 to the Law Commission on its provisional recommendation that overdue debts should be subject to statutory interest (see Work-3, The Green, Esher, Surrey).

To-day's Events

GENERAL
Special Trades Union Congress on pay and the social contract, Central Hall, Westminster.
Prime Minister addresses Labour Women's conference, Fulham.
Confederation of British Industry monthly council meeting.
Scottish National Union of Mineworkers conference opens in Ayr.
PARLIAMENTARY BUSINESS
House of Commons: New Towns (Amendment) Bill, Armed Forces Bill, remaining stages.
Commons Select Committees: Expenditure (Trade and Industry Sub-committee); Subject: Public Services and Employment Sub-committee; Subject: Preventive

Witnesses: Mr. Eric Varley, Secretary for Industry, and officials of the DOL Nationalised Industries (Sub-committee B).
Subject: British Steel Corporation.
Witnesses: British Independent Steel Producers' Association (Environment Sub-committee); Subject: Planning Procedure.
Witnesses: Royal Town Planning Institute, European Secondary Legislation.
Subject: Common Market for potatoes: sheepmeat regime. (Social Services and Employment Sub-committee). Subject: Preventive

House of Lords: Debates on importance of the family, and Government policy on legal aid and legal services.
OFFICIAL STATISTICS
Basic rates of wages and normal weekly hours (May). Monthly index of average earnings (April).
COMPANY RESULTS
Compair (half-year), London Securities Investment Trust (full-year), Arthur Guinness Son and Co. (half-year), Chubb and Son (half-year), Dobson Park

Industries (half-year).
COMPANY MEETINGS
British-Borneo Petroleum, Winchester House, E.C. 12. City of Oxford Investment Trust, 41, Bishopsgate, E.C. 11.30. Gill and Duffus, 9, Harp Lane, E.C. 12. Harrison (T. C.), Sheffield, 2.30. Hawkes Siddeley, Dorchester Hotel, 12. Securities Trust (O.C.), Finchley, N. 12. Trianon McCaul, The Londoner, Welbeck Street, W. 10.30. Viking Resources Trust, Great Eastern Hotel, E.C. 13.30. Wire and Plastic Products, Folkestone, 3.



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COMPANY NEWS + COMMENT

U.K. Optical up 25% to record £3.3m.

A RISE in pre-tax profit of 25 per cent. to a record £3,207,000 is announced by U.K. Optical and Industrial Holdings for the year ended March 31, 1978, after £1,419,000, compared with £1,009,000 in the first six months.

On enlarged capital, stated earnings per 25p share for the year are 13.7p, against 11.3p and, as per the one-for-four rights issue forecast, dividend total is 4.2p net (3.133p), with a final of 2.5p net (Treasury consent has been obtained).

The ophthalmic group contributed £2,781,000 (£2,137,000) to profit with the W. M. Sull Group £516,000 (£473,000).

Group sales 1977-78 1974-75
Ophthalmic group 2,781 2,137
W. M. Sull 516 473
Profit before tax 3,207 2,626
Taxation 1,351 1,232
Net profit 1,856 1,394
Dividends 420 361
Retained 1,436 1,033

U.K. Optical is 25 per cent. ahead pre-tax. The still group has had a flat second half and its contribution to total profits has eased a couple of points to around 13 per cent. But the lens operations have stayed buoyant, with about a fifth of extra capacity coming into play in the second half, and end-year stocks are a fifth higher at £16.4m. This year Sull has remained a weak market, but the ophthalmic division is still busy and UKO's share of the U.K. lens market is now back up to 73 per cent. And the after a dull 1977-78 overseas operations are beginning to brighten. At 118p a yield of 5.4 per cent. is covered 3.3 times by average capital earnings.

While the balance sheet impact of last year's rights issue can be seen in year-end borrowings of £3.6m, net of cash—where they represent just under a third of shareholders' funds.

Reflecting continued growth in sales volume, taxable profit of Alpine Soft Drinks advanced from £0.5m, to a record £0.21m, during the 52 weeks ended March 27, 1978—at the trading level profit was up by 80.7 per cent. or £0.41m, and the directors say that, as well as the respite improvement in the first half, this also reflects the recovery of margins in the second half, compared with the previous comparable period.

When reporting first half pre-tax profit up from £0.24m, to £0.31m, a "satisfactory increase" was forecast for the year. Now, the directors indicate that for the current 12 months, another "satisfactory increase will be achieved."

The directors are recommending a one-for-one scrip issue. Stated earnings per 10p share are up from 10.5p to 10.51p—the net final dividend is 4.063p for a 0.0613p total (5.9p).

During the year a much more stable situation in the availability and price of raw materials, particularly sugar, applied.

HIGHLIGHTS

Profits at London and Northern Group are lower in the second half but the company is bullish about current-year prospects. Williams Hudson proposes to reduce the nominal value of its shares in order to clear the way for a rights issue. Leg also discusses the latest moves in the triangular bid saga involving York Trailer, Anthony Carrimore and Edbro. Elsewhere, U.K. Optical is some 25 per cent. ahead at the pre-tax level with the lens operations a notable sound feature. WGI's profits are 23 per cent. higher while group also proposes a rights issue to raise £300,000. Alpine Soft Drinks was boosted by the fall in the sugar price and overall profits are up by more than 80 per cent., while Sketchley appears to have moved off its earnings plateau with a pre-tax growth of 21 per cent.

The group is expanding the area of selling into the South East of England during the current year as well as continuing the expansion into Scotland and Wales. A factory has been acquired at Walthamstow and the directors anticipate that sales will commence in London in the late summer.

The total number of delivery rounds at March 27, 1978 was 291. They anticipate that this number will be in excess of 340 before the end of the current year.

Turnover before tax 1977-78 1974-75
Profit before tax 1,856 1,394
Taxation 1,351 1,232
Net profit 1,856 1,394
Dividends 420 361
Retained 1,436 1,033

Profits improved in the second half at Alpine Soft Drinks, up by 136 per cent. This was helped by the fall in the sugar price and the 1p price rise in July. Overall, volume was up by a fifth, with continued geographic expansion. This year there will be four new depots added, bringing the total to 29 against 23 just over a year ago. Penetration in the South East will bring national coverage and the new factory will bring production capacity up in a rate of just under 10m. bottles a month. Margins, however, could come under pressure if the sugar price is adjusted for the fall in sterling, which is expected. Assuming that the commodity price rises remains stable during the year, there could be a profit rise to around £1.1m, where the prospective p.e. is 3.7 at 138p (up 7p). The maximum yield is 7.9 per cent.

Call for unitisation at Belgrave

Shareholders in Belgrave Assets, holding 10.2 per cent. of 100 equity, have succeeded in requisitioning an EGM to consider a resolution that the directors should prepare a scheme to re-construct the company as a unit trust. The EGM has been convened for July 8.

The chairman, Mr. Peter Sezal and his directors are opposed to the idea saying that they have considered the possibility of reconstruction as a unit trust but they assert that it has not been

strong likelihood. The group is hoping to get back on the growth trend in the second half, when it will see the first benefits from the 50 per cent. expansion at M. P. Davis (this contributes 15 per cent. to turnover, all of which is exported), and the liquidity position is still strong. Even so, the small yield of only 2.3 per cent., though covered 14½ times, seems to place a serious limit on the upward potential of the shares.

Sketchley advances to £1.96m.

AFTER INTEREST OF £244,000 against £298,000 and depreciation of £1.01m, against £0.91m, pre-tax profits of Sketchley increased from £1.62m, to £1.96m, in the year to March 31, 1978 on sales up from £21.05m, to £24.88m.

At mid-year profits were £0.42,000 compared with £801,000.

Full year earnings are shown to have risen from 6.5p to 7.7p per 50 share and the dividend is lifted from 3.5p to the maximum permitted 3.81716p net with a final of 2.71716p.

All divisions traded profitably with the overall service division maintaining the progress made in recent years, say the directors.

Despite the long hot summer of 1978, the cleaning division had a satisfactory year without any significant drop in volume and the textile division did well to achieve a profit in a most difficult year for the industry.

Sales for the current year are on target and are running well ahead of same period last year, they add.

Year ended 31 March 1977-78 1974-75
Turnover 24,880 21,050
Profit before tax 1,960 1,620
Taxation 244 298
Net profit 1,716 1,322
Dividends 382 350
Retained 1,334 972

Sketchley has broken out of the profit plateau of the past three years, with a 21 per cent. increase pre-tax. However, adjusting for the £244,000 trading loss by Shell in 1974-75 and taking in a first time contribution (evidently small) from Quality Cleaners, the underlying rise is far less dramatic. Anyway, the results left the shares up lower at 64½p to 65½p.

Volume at the cleaning division is down, and the profits contribution from textiles fell from £230,000 to £17,000. Cut-backs at the textile operations should help profitability by the closing half of this year, though the interim will best redundancy and closure costs. Still the overall division is still offering considerable growth prospects, but this is unlikely to check the anticipated flat interim figures. Meantime short-term borrowings are down by £0.5m, to £1.1m, for total borrowings of around 52 per cent. of shareholders' funds against 73 per cent. for the previous year.

DIVIDENDS ANNOUNCED

Company	Current payment	Date of payment	Corresponding payment	Total last year	Total this year
Alpine Soft Drinks	4.06	July 23	4.06	5.90	5.90
Anglo American Gold Int.	80(b)	Aug. 6	110	280	280
Berjuntal Tin	80(c)	July 23	150	200	200
Bluemel Brothers Int.	1.23	—	1.28	—	3.04
Bywater & Co. Gold	30(b)	Aug. 4	50	75	100
Chamberlain Phipps	1.29	Aug. 16	1.29	1.74	1.74
Durham Roadport Int.	Nil	—	30(b)	—	20
Electric and General	0.63	Aug. 4	0.35	1.1	1.0
F. Fentleman	0.94(a)	—	0.63*	1.14	1.08*
London and Northern	2.0	Aug. 30	2.0	3.23	3.25
N. M. C. Investments	1.3	July 9	1.3	1.3	1.3
Shaw and Marvin	0.5	—	0.85	0.5	0.35
Sketchley	2.72	July 27	2.5	2.71	2.71
U.K. Optical	2.5	Aug. 12	2.13	4.21	4.21
Wassall	Nil	—	0.56	0.2	1.11
Western Selection Int.	0.88	July 9	0.88	—	1.5
WGI	2.3	—	2.02	3.12	2.86

Dividends shown pence per share net except where otherwise stated. *Equivalent after allowing for scrip issue. †On capital increased by rights and/or acquisition issues. (a) Gross. (b) South African cents. (c) Malaysian cents.

As reported on June 2 pre-tax profit for 1978 was £282,800 (£258,993). On a CPP basis, the net tax profit is reduced from £126,000 historical to £36,000. The company is closed.

Exports amounted to £845,637 (£436,320) comprising (in percentages) Africa 49 (32); Middle and Far East 32 (38); North America 18 (26); Europe 2 (same); Australia and New Zealand 1 (2). In Meeting, Birmingham, July 15, at 12.15 p.m.

WGI's peak £1.19m. and rights

TAXABLE profit of WGI expanded from £0.95m, to a record £1.19m, in the year ended March 31, 1978—at the halfway stage, with profits up from £0.54m, to £0.55m, the directors said they would be disappointed not to achieve profits comparable with the previous 12 months.

The company is engaged in mechanical, civil, process engineering and manufacturers' refractory materials.

In order to continue the development of the group's potential, the directors propose a rights issue of 0.54m. Ordinary shares of 25p each at 90p per share, on the basis of one-for-six, to raise about £20.8m, net of expenses.

Stated earnings per share are up from 27.7p to 33p; after tax they are ahead from 13.1p to 17.4p. Dividend total is up from 2.5388p to 3.11895p net, with a final of 2.30445p—for the current year the directors propose to pay 3.2p net on enlarged capital, for which Treasury consent has been obtained.

Referring to the proposed rights, the directors say that adequate funds should be available to finance expansion within existing limits, and to take advantage of opportunities which occur for growth by way of acquisition—the purchase of Cox and Wright in December, 1973, being an example of the latter.

Particularly in the civil engineering division has resulted in an increase in the group's cash balance, but an upturn of activity, and some is already being expected, will absorb some working capital.

WGI, say the directors, has demonstrated during the past two years its ability to trade successfully in a period of general recession. A number of the group's companies have very impressive order books and the have every confidence in this year and in the future growth and prosperity of the group.

A provisional allotment letter will be despatched on June 18, 1978. Dealings in the new shares in nil paid form are due to commence on June 21.

The issue is being underwritten by N. G. Warburton & Co. Brokers are Henry Conke, Luvindsen and Co., and Panmure Gordon and Co., Ltd.

Turnover 1977-78 1974-75
Profit before tax 1,190 950
Taxation 120 100
Net profit 1,070 850
Dividends 312 254
Retained 758 596

WGI shows considerable confidence in the current year through its rights issue, which comes in spite of an existing strong liquidity position. The group plans to reserve present cash for projected future working capital requirements through increased business this year while maintaining what amounts to a contingency kitty for further expansion, possibly by acquisition.

The shares rose 2p to 70p, where the historic p.e. on fully-laid earnings is 3.3 using 16x rights with the yield at 6.3 per cent. Much of the impetus behind the shares, however, must have come from the results, which showed a full profit rise in earnings to 6.8 per cent. giving pre-tax profits 21 per cent. higher. In the current year tangible benefits from the new "hardcore" plant development should be seen as well as the time profile contribution from the newly export-orientated Cox and Wright.

Williams Hudson

Williams Hudson Group, the transport and property concern headed by the financier Mr. David Rowland, is proposing a reduction of its capital since, as its shares now stand below par value, it is precluded in present circumstances from making a rights issue.

The company, which incurred a loss of £807,000 before tax in the six months to September 1977, and whose shares were unchanged at 15p last night, compared with the par value of 20p, said yesterday that it is considering a rights issue later this year.

In view of the fact that the shares stand below par value, the Board proposes to reduce the company's capital by cancelling 15p per share on its 11,578,061 shares of 20p now in issue.

The capital reduction it is stated, is not proposed on the grounds that there has been any loss of share capital by Williams Hudson, but merely to ensure that the nominal value is at an appropriate level.

Firmin sees profit rise

Subject to unforeseen circumstances, profits of Firmin and Sons should show a satisfactory increase for 1978, says the chairman, Mr. R. D. Turner.

The year commenced with a record order load and sales for the first four months showed a considerable increase. The company makes badges, buttons and military ornaments.

ISSUE NEWS AND COMMENT

Automated Security re-quotation

Arrangements have been completed for a re-quotation of the capital of Automated Security Holdings (Holdings) amounting to £218,657. The issue has been sponsored by Egerly Finance and General Trust, and Brokers and Greene and Company.

The company was formerly Vab Products, whose shares were suspended in May 1968 and cancelled in August 1972 following the closing down of the company's principal business. The capital of Modern Automatic Alarms was acquired in 1973.

In the year to November 30, 1975 pre-tax profits were £241,241 on sales of £1,85m, and the Board is forecasting profits of £250,000 for this year. On this basis they expect to pay a dividend amounting to 0.5p per 10p share (amounting to 10 per cent. gross).

The directors believe there is considerable opportunities for growth in sales and rental income, and the group is currently equipping a further four signalling centres to facilitate expansion.

After shareholders put up some £400,000 of cash for a rights issue by the company's new products in 1973, there followed the reverse take-over of Modern Automatic Alarms. These companies form the nucleus of Automated Security, which returns to the market now but the security interests of Ship-ton Automation were also taken over last April for £230,000. Up to now, the company's activity has been evidently been a loss maker, but Automated reckons to be able to turn it around by integrating it into its own network and it is looking for rental income.

Automated is coming to the market on prospective earnings of £1.4p fully taxed based on a depreciation charge which looks in line with the industry. An opening price of 5p to 5½, bearing in mind that there must be some pent-up selling pressure from the 1,400 shareholders who have been locked in for the past seven years.

The rights issue by ICI to raise £203.5m, on the basis of one-for-eight at 330p has been taken up to £203.5m. The balance of £139,440, after interest charge of £341,577 (£240,705), managed the net proceeds amounting to £26,847 (£57,338) 28.3p per share will be distributed to entitled shareholders.

The rights issue by ICI to raise £203.5m, on the basis of one-for-eight at 120p per share, has been taken up to £203.5m. The balance has been sold for the benefit of provisional allottees. It is stated.

Electric & General

Electric and General Investment Company is lifting its dividend from 1p to 1.1p net per 25p share, with a final of 0.65p for the year to May 31, 1978, from 0.5p net per share, to 0.55p net per share.

Gross revenue was £744 (£709,933) and earnings £210 (£199,440), after interest charge of £341,577 (£240,705), managed the net proceeds amounting to £26,847 (£57,338) 28.3p per share will be distributed to entitled shareholders.

The rights issue by ICI to raise £203.5m, on the basis of one-for-eight at 120p per share, has been taken up to £203.5m. The balance has been sold for the benefit of provisional allottees. It is stated.

Increased orders trend for Bluemel

Turnover of Bluemel Bros. decreased slightly from £1.75m, to £1.68m, in the half year to March 27, 1978. Profit was £130,243, against £121,227, subject to tax up from £85,335 to £85,000.

Earnings per 25p share increased from 2.338p to 2.757p. As before the interim dividend was 1.235p net. Last year's total was 1.235p net from profits of £254,882.

The company continues to maintain its penetration in the motor field, where the market has been somewhat depressed. Demand for cycle products continues to increase, but in the six months there was a ordering in orders for industrial products. This trend has recently been reversed and in the two months since the end of the half year the order book for cycle products has increased considerably, the directors state.

The company now owns the wheel capital of Bluemel Steering Wheels and has in that company have ceased.

Counter-inflation Act 1978

The Treasury have given consent to the declaration by the following companies of dividends of the total amounts specified for the financial years ending on the specified dates:

Leisure Caravan Parks Ltd.	Hemel Hempstead	£580,584	28.27
BSG International Ltd.	Birmingham	£390,038	31.12
Peak Investments Ltd.	Isleworth	£58,638	31.57
Robertson Foods Ltd.	Beckenham	£667,914	31.37
Alpine Holdings Ltd.	London, NW9	£300,000	31.11
Gramplan Television Ltd.	Aberdeen	£75,000	29.23
Isle City Investment Group Ltd.	London, E1	£104,415	31.12
Nurdin & Peacock	London, SW20	£64,415	3.12
Walter Runciman & Co. Ltd.	London, EC3	£463,965	31.12
The Milford Docks Company	London, W3	£19,500	31.12
Streeters of Godalming Ltd.	Godalming	£135,271	31.12
Time Products Ltd.	London, EC1	£281,997	31.17
T. C. Harrison Ltd.	Sheffield	£254,393	31.12
Century Oil Ltd.	Canterbury	£283,399	31.37
Wheway Watson Holdings Ltd.	Glasgow	£182,017	2.47
Hoveringham Group Ltd.	Nottingham	£470,026	31.12
E. E. Jeavons & Co. Ltd.	Tipton	£168,923	31.32
Hewden-Sears Plant Ltd.	Glasgow	£598,635	1.29
Dale Electric International Ltd.	Fife	£343,888	3.12
Capper-Neill Ltd.	Warrington	£502,545	31.37
Pork Farms Ltd.	Nottingham	£386,236	28.27
Whitbread Distribution & Trading Ltd.	Winchester	£1,021,760	28.27
Hill Samuel Group Ltd.	London, EC2	£3,492,382	31.37

Published by the Treasury as required by the above Act.

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STREETERS OF GODALMING LIMITED

Extracts from the Chairman's additional remarks at yesterday's Annual General Meeting.

Last year my additional remarks at this time were headed in the press by the title "Renewed Growth"; this year I feel that it would not be imprudent to suggest that the title should be "Gathering Momentum".

The good result for 1975, with our strengthened balance sheet and order book, have enabled us to recommend the maximum permitted final dividend of 1.56723 pence per share which brings the total dividend for the year to 2.06723 pence per share.

You will note that there has been a 66% increase in the volume of our turnover and if comparison be made of the ratio of our creditors and sums due to us with this figure of increased turnover, there is shown an improvement in our liquidity of over half a million pounds and this improvement continues.

I have been very pleased to have been able to report of the success of all our operations in 1975 and, turning to future prospects, I would like to say that we are actively pursuing further diversification to complement our particular sector of public works construction in respect of sewers.

I referred to the formation of a Saudi Arabian registered company with Saudi partners. These negotiations have been completed and the company is now being registered with the Ministry of Commerce of Saudi Arabia. The paid up capital of the company will be S.R. 10,000,000 - of which this company will own 40%, (currently approximately £640,000).

The advantages of our participation in a Saudi majority owned company are manifestly considerable. The contract values concerned are very large in Saudi Arabia, generally in excess of £50 million. The provision of the required on-demand bank guarantees which total 30% of the contract sum is greatly facilitated as a result of the formation of this Saudi Arabian registered company. Other major benefits are a five year tax holiday, interest free government loans and the limited liability of this company. Whilst negotiations for additional work in Saudi Arabia are in hand it is obviously both necessary and advantageous that such contracts should await the formation of the new company.

The provision of the necessary finance for this company's share of the equity has been provided from our existing resources in Saudi Arabia and will have no detrimental effect on our UK liquidity.

Finally, trading to date this year will ensure record half year profits and barring unforeseen events we can look forward to very satisfactory results for the current year.

E.A. STREETER, Chairman.

MINING NEWS

How South Africa sees its energy needs

BY MALCOLM DUMPHREYS

THE RECENT inroads made by the Soviet Bloc into Southern Africa have caused much consternation in the Western world, as witnessed earlier this year by the fall in the share prices of South African companies on the London Stock Exchange, owing to fears for the future security of mineral deposits owned or managed by the Republic.

In view of this, the conference held last Tuesday and Wednesday in Mbabane, Swaziland by the South African based Foreign Affairs Association entitled "The Strategic Role of Mineral Resources" came at a most opportune moment.

Coal tops list

Speaking on the Republic's dependence on coal as a source of energy, Dr. W. C. van Rensburg, technical director of the Minerals Bureau of S.A. said that while the Republic has a substantial portion of the world's uranium reserves (another contributor reckoned that S.A. would, in the next ten years, replace Canada as the non-communist world's largest producer of uranium behind the U.S.), its energy content was far less than that of coal reserves.

He drew attention to the discrepancy between stated reserves and what was actually extracted by the mining method. Van Rensburg said that percentage extraction by that method decreased as the depth of the deposit increased, falling to 25 per cent at a depth of 100m, and could be as low as under 10 per cent in some cases. This is because of the pillars of coal which have to be left in situ to act as supports to enable extraction to continue. To mine the deposits by the "long wall" method, as with European deposits, was considered uneconomic owing to the resultant sharp increase in cost while the coal price is fixed by the Government. A rise in the coal price is currently being sought and some now, on this should be known late this month. However, added Dr. van Rensburg, higher prices combined with legislative measures or incentives to ensure a greater percentage of extraction could substantially increase the country's extractable reserve of coal.

Talking about the development

B.P. and Vickers in joint venture

BP and Vickers have established a new company, Vikoma International, to market oil spill clearance equipment worldwide.

The new company, which has a projected turnover of £1m, in its first trading year, will market the Vikoma Suckup Boom System, the Vikoma Sealskimmer and the Komara Miniskimmer.

Vickers, whose subsidiary, Vickers-Singapore, is the manufacturer of the Vikoma range of skimmers, are equal partners with BP in the new company.

Streeters sees record first half

Trading to date at Streeters of Gouding will ensure record half-year profit, and barring unforeseen circumstances, the company can look forward to "very satisfactory results for the current year," Mr. E. A. Streeter, chairman, told the annual meeting. He said that the company was

actively pursuing further diversification to complement its public works construction in sewers.

While negotiations for additional work in Saudi Arabia were in hand, contracts were being held up until the formation of a new company there.

Turning to 1975, Mr. Streeter noted the 66 per cent volume increase in turnover and said if comparison was made to the ratio of creditors and sums due, there was an improvement in liquidity of more than 20 per cent, and the improvement continues. All operations were successful in 1975, he added.

Statement Page 22

Better trend at Sheffield Brick

After dropping from £91,000 to £45,000 in the first half, pre-tax profits of Sheffield Brick Group finished 1975 down from £127,000 to £111,000 on turnover of £2.17m, compared with £1.96m.

After tax of £98,000 against £10,000, earnings are shown to have fallen from 6.5p to 5.2p per share. The final dividend is 2.5p net for a 2.55p (2.71p) total.

URANIUM IN INDONESIA

West Germany will assist Indonesia in exploring for uranium in West Sumatra under a six-year agreement signed in Jakarta. The arrangement guarantees West German participation in exploitation and supplies of uranium to that country once production surpasses Indonesian own needs.

Joint exploration work will be carried out by the Indonesian Atomic Energy Agency and the German Institute for Geo-science and Raw Materials. Germany will give D12.85m (£450,000) for the first year's activities.

The German Institute is to provide 80 per cent of exploration expenses, and is to train Indonesian personnel over a seven-year period. Indonesia signed a similar agreement with France in 1969 for exploration in Kalimantan, the results of which are now being studied.

BLYVOOR WILL PLEASE SOME

There will be mixed feelings this morning over the final dividend of 30 cents (0.4p) paid by the Barlow Rand group's Blyvoor uranium mine. It brings the total for the year to June to 75 cents (£2.36m) compared with 100 cents for 1974-75 and although estimates of the latest distribution had ranged down to 20 cents some observers had been looking for 40 cents or more.

The mine is faced with a capital expenditure programme of around £12.5m (£38.5m) in the coming year while its funds which are available for distribution will have been eroded by the recent increases in tax surcharge and loan levy in the South African budget.

In interim of 5 cents (3.34p) is declared by East Rand Proprietary compared with 25 cents previously. The 1975 total being 35 cents. There is again no dividend from Durban Deep, the last year's payment being 2.50p (7.8p) for the half-year to June 1975. Blyvoor was 20p up at 380p in front of the news yesterday, while Durban Deep was 10p higher at 520p and Durban Deep 20p to the good at 570p.

Loss for U.U. Textiles but recovering

A pre-tax loss of £120,000 compared with a profit of £35,000 is reported by U.U. Textiles for the six months to November 1, 1975. Turnover for the period fell from £2.6m to £2.4m.

There is no interim dividend for 10p share against 2.1875p net—last year there was no final dividend. Profit is struck after interest of £108,000 (£168,000)—there is no tax (£2,000 credit).

The attributable loss is £280,000 (profit £71,000) after extraordinary debits of £253,000 (credit £16,000) and minorities. Losses relating to the disposal of Group tenor Fashions and Junior amounts to £198,000 have been included in extraordinary losses. There will be further terminal losses and goodwill to be written off at the year end. Further terminal losses relating to Sirica Manufacturing are also included in the extraordinary item. Trading has not improved and barring unforeseen circumstances, trading profits from May 1 for the newly constituted group will be sufficient to meet working financing costs and achieve a small profit for that period.

Statement Page 22

Seaford Gentex loss reduced

Cost increases in excess of those anticipated and a slower rate of recovery again led to a pre-tax loss at Seaford Gentex—£103,838 for the half year to March 31, 1976 compared with £277,349 for the corresponding period. The loss for the last full year was £223,067.

Trading conditions still remain difficult. Nevertheless, in spite of the exceptional terminal losses in the rationalisation of Seaford Fabrics to Yorkshire, the directors expect a reduction in the rate of losses for the second half of the financial year, says chairman Mr. R. D. Lord.

BIDS AND DEALS

Carrimore-Edbro now offers 78½p

Edbro (Holdings), in a not wholly unexpected reply to Carrimore's 75p cash counter offer for Anthony Carrimore, has revised upwards its original share offer by over one half.

The revised terms are 7 shares in Edbro for every 10 shares in Carrimore, which with Edbro shares closing at 115p and last night is worth 78½p a Carrimore share.

Yesterday, Lazard Brothers, acting for York Truist, claimed to have already received irrevocable acceptance of Carrimore's 5.51 per cent of Carrimore's ordinary shares, bringing total irrevocable acceptances so far to 44.36 per cent, and 33.9 per cent of Carrimore shares for which a 50p cash offer was made by both York and Edbro.

The revised Edbro offer, and the existing Carrimore offer, will be kept open for at least 14 days from the date of posting of the written notification of the revision to the shareholders of Carrimore.

BRIGHTON & HOVE SAYS ACCEPT

The Brighton and Hove Stadium Board has written to shareholders recommending the offer from Coral Leisure Group in the absence of a higher bid. Coral became liable to make a bid when the three-count battle for GRA Property Trust's 39.7 per cent stake in Brighton and Hove at a price of 36p per share.

Coral's alternative to its cash offer is on the basis of five shares for every 11 in Brighton and Hove. Mr. Gerard Kealey, the Brighton and Hove chairman, who is in charge of the offer, has recommended the offer "having regard for the disadvantages attaching to a small shareholding in a company in which the shareholders will hold a very substantial minority (majority) shareholding."

ANGLO CEYLON —WHITEHEAD

Anglo Ceylon and General Estates announced that they had accepted the offer for the Preference shares of David Whitehead and Sons amounting to 122,086 shares (approximately 68 per cent). Offer remains open until June 28.

BESTWOOD

Bestwood has disposed of its holding of 80,000 6.3 per cent cumulative participating 2 preference shares of Alma Components to Interbank Services for £81,932 cash. Bestwood intends to use proceeds in the expansion of the rest of its business.

RUGBY CEMENT

Negotiations are taking place between the Rugby Football Ground and the Rugby Portland Cement Company for the purchase of the Rugby subsidiary in Port of Spain.

ROSEHAUGH

Mr. D. Fredjohn has resigned as a director of Rosehaugh in accordance with his intention declared in a letter to holders in May in connection with the offer by Sandelson and Co. on behalf of Patchley Investment for the capital of Rosehaugh.

BULGIN BROXLEA

Agencies have been received by A. F. Bulgin in respect of more than 93.6 per cent of Broxlea Holdings shares. The offer is to be extended beyond that date. The balance is to be compulsorily acquired.

FIRST FINSBURY

The Boards of First Finsbury Trust and John D. Hutchison

"Satisfactory start" for Corinthian

Corinthian Holdings' 61 per cent investment in Tartan Macaul continues to prove most satisfactory even when taken in the context of the textile industry, says the chairman, Mr. F. Collis.

The directors are hopeful of further improvement in Tartan Macaul in the current year—the results of its U.S. subsidiary are particularly encouraging.

Mr. Collis points out, however, that inability to obtain relief against overseas tax continues to have a disproportionate effect on group results.

Despite hopes, for a return to profitability in the banking division in 1975, adverse trading conditions continued. Additionally, investment values which were thought to have settled to a stable basis continued to fluctuate during 1975. This necessitated increasing certain provisions against which the company has been over-conservative in valuation. In other cases, the uncertain conditions, the policy of maintaining maximum liquidity continues.

From an overall group point of view 1975 has started satisfactorily and it is hoped this pattern will continue throughout the year.

As reported on June 7, group pre-tax profit for 1975 was £225,132 (loss £263,104) after a provision of £205,436 (£1,103,262) against banknotes. Turnover of the banknotes division was £7,332,702 of which £2,616,871 arose in U.K. (including exports of £47,974).

Having regard to the changing role of the small banks in the present economic scene, Mrs. Gloria Eban has ceased her directorship so that she may continue to devote herself towards the fields where Corinthian as merchant bankers, within its present scope, can no longer operate to any degree of consequence. The directors have agreed to pay Mrs. Eban £5,000 by way of compensation in relation to her service agreement, and in view of her long association with the company they propose additionally to make an ex gratia payment of £5,000, subject to holders' approval.

Meetings, The Londoner, Welbeck Street, W, July 12, at 10.30 a.m.

(U.K.) announce that the scheme for FFT to become a subsidiary of Hutchison and for the cancellation of the outstanding convertible unsecured loan stock of FFT has been approved. The scheme is now conditional only on Court sanction and it is expected that the scheme will become effective on or about July 14.

HAMPTON'S £0.3 OFFER FOR ASSAM CONSOLIDATED EQUITY

Hampton Trust has written to its convertible loan stock holders in order to seek their approval for proposals intended to raise cash to meet the company's £197,000 offer for the Preference shares of Assam Consolidated Tea Estates. It does not already own.

Hampton has also made a £200,000 share offer for Assam Consolidated's Ordinary capital, but no offer documents have yet been sent.

The proposals are that Lloyds Bank will provide an overdraft facility of £97,062 and in return the bank will receive first-rank floating charges in favour of Lloyds Bank on its interest in its freehold residential development at Cherryfields, Stone, Staffordshire.

The remaining £100,000 will be provided by the Bank of Scotland, which, in return for releasing the £100,000 currently held on deposit by it as security for the Hampton loan stock for which it is trustee, will hold second fixed floating charges on Hampton's interest in Cherryfields.

Hampton has delayed sending out its formal offer document for Assam, which was first advised of the offer 4 months ago, until the end of June because it claims to be awaiting an approach from a prospective purchaser of Cherryfields, bought from UOT in April, 1975, for £231,000 and accounting for 30 per cent of the Trust's assets.

A meeting to consider the proposals will be held on July 6.

FERGUSON IND. —KENNEDY

In yesterday's Bids and Deals item on the offer by Ferguson Industrial Holdings for Kennedy, it was incorrectly stated that Kennedy had been advised by Hill Samuel. Kennedy's financial advisers in this matter are in fact Samuel Montagu.

MITCHELL COTTS

Documents regarding the proposed bid by Mitchell Cotts Group for WDS Tooling Aids have been issued. The directors of WDS with other shareholders have committed themselves to accept in respect of holdings totalling 59.59 per cent of the capital. The other shareholders include Walter Duncan and Goodricks which has held 43.2 per cent of the shares for a number of years.

NO PROBES

Mrs. Shirley Williams, Secretary of State for Prices and Consumer Protection, has decided not to refer the following proposed mergers to the Monopolies Commission. They are: British Debt Services/Credit Data; Granada Group/Spectra Rentals; and Manchester Steel/Johnson and Nephew (Mill Street).

ASSOCIATES DEALS

N. M. Rothschild and Sons announces that on June 14 an associate of Pernas Securities bought 10,000 London Tin in the market at 17p.

Associates and Co. has acquired on behalf of International Combustion (Holdings) 5,000 Metropolitan Industries Ordinary at 30p and 424 Metropolitan redeemable participating Preference at 80p.

London Interstate improves

For the year to March 31, 1976 London Interstate Bank announces an improvement in taxable profit from £47,358 to £170,589 after provision for doubtful debts of £200,000 (£300,000) and lower interest on subordinated debentures of £99,448 (£284,071).

Chairman, Mr. B. K. Barnes says operations for the year have been deliberate and cautious. Priority has been given to maintaining the quality of the loan portfolio and to widening the sources of deposits. For the current year the directors are planning continued increase in profits and gradually improving earnings on assets and capital.

No new problem credits came to light during the year. The small number of credits that have presented problems have received extensive attention and substantial recoveries are being achieved. Nevertheless, the directors felt it prudent to continue to augment provisions against possible loan losses.

The bank ended the year with a very strong capital base. Subordinated debentures of five shareholder banks were redeemed and, simultaneously, equal amounts invested in share capital.

An international breakdown of the bank's loans at March 31, 1976 shows (£100k omitted): U.K. £1,052; rest of western Europe £3,888; U.S. and Canada £3,490; Africa and Middle East £2,593; Latin America £725; Far East and Australasia £2,346; Eastern Europe £1,062.

Current and deposit accounts at March 31, 1976 amounted to £24,51m (£38,95m). Cash in hand and with bankers and money at call and short notice totalled £19.21m (£10,22m).

Wm. Press to maintain high order level

TRADING for the first four months of this year will today breach the trust deed building of a new factory there i months at William Press and Son, of its 11 per cent unsecured loan engineering contractors, is again stock by failing to pay the interest on a satisfactory level and chairman, Mr. W. A. Hawken, has "every confidence in the future."

Despite the uncertain state of the economy, markets "continue to create more opportunities for our group services and products," he adds.

Last year's rationalisation of the operational side into two establishments has resulted in useful cost savings and increased efficiency and a substantial contribution was made to group profit. Work in the U.K. construction market was maintained at a high level throughout the year.

Current order books reflect similar activity and there is every indication that this will be maintained this year, he adds.

William Press (International) is tendering for work in a number of areas overseas. Further orders have been received for work in the United Arab Emirates.

The anticipated contribution from William Press Production Systems at the Howdon Yard on the Tyne was achieved, reflecting the high level of experience and capability now developed by this company. The Dento group improves on its results of the previous year.

Overseas the French subsidiary, Dento SA, had another satisfactory year while in the Middle East Dento secured orders from 14 countries.

General Desalting Company had a successful year and the factory achieved record output. Increasing interest is being shown in the closed circuit television service enabling economies to be made in the high cost of pipeline and sewer maintenance. The current year has started with a good order book and progress should continue, Mr. Hawken says.

Trading in the U.K. and the continent of Europe and elsewhere was up to a high level during the year. For Metal and Pipeline Endurance, and good progress made in Australia and the Far East through Metal Mapel Pty. Turnover for the current year indicates "an encouraging trend."

A new company in the U.K. P. and W. Offshore Services has been jointly set up by Worley and William Press to undertake work which is becoming available in connection with the establishment and further development of production facilities on offshore platforms.

As known, pre-tax profit for 1975 expanded by more than 40 per cent to £4,45m. Dividends are up from 1.105p to 1.200p net and there is a one-for-one rights issue to raise £2.2m. The directors propose to pay 1.5p on enlarged capital this year.

Meeting, The Inn on the Park, W, July 28, 11.30 a.m.

Export drive by P & W Maclellan

Mr. N. D. Carrier, Chairman of P. and W. Maclellan, told holders at the annual meeting yesterday that a major drive was being made in every division—steel products and paint—to stimulate sales in the export field where the decline in the exchange value of the £ provided the opportunity to compete against other countries in world markets.

Some results already were showing improved sales in some of their traditional fields while in others where newer trails were being blazed the returns were perhaps slower but the auguries favourable, said the chairman. All imported materials continued to increase in price and that had been a particular problem in the paint division. The opportunity for development overseas was being seized with "vigour and enthusiasm."

Of the 1975 returns Mr. Carrier said the disappointing overall profit of £68,000 was a mixture of poor results in some sectors arising from difficult trading conditions which they were unable to surmount and other sectors which were extremely successful and profitable.

There has been a welcome increase in activity during the first few months of 1976 but currency fluctuations and overseas political uncertainties make it doubtful whether this improvement can be maintained. It is too early, therefore, to make a forecast for the whole of 1976.

Grendon loan redemption

Grendon Trust, the property, bricks and printing machinery group, which came under the management control of merchant bankers Keyser Ullmann in 1974,

As reported on May 5, turnover expanded from £10.11m. to £11.81m. In 1975 and pre-tax profits rose from £55,482 to £78,882. The dividend is equal to 1.13 (1.04p) net.

Production of animal feed contributed 55 per cent of turnover, manufacture of agricultural equipment 9 per cent, merchanting and finance 22 per cent, and production 14 per cent.

Net current assets improve from £104,220 to £916,894 following the one-for-one rights issue last August—which provides £430,000, and strict control of working capital requirements of the increased turnover.

Borrowings were reduced from over £1m at the end of 1974 to "a very small amount" at present. This reduced interest on borrowings has given the Board the financial strength to pursue ever investment opportunities, presented, members are told.

Meeting, Burswick, North Humberside, on July 6 at 9 p.m.

Growth to continue at Feedex

IN HIS annual statement the chairman of Feedex, Mr. J. R. Williams, says that while seasonal effects on profits cannot be completely ruled out, the group's base is much broader to cushion any impact from these, and indications are that the growth record should be maintained.

Early this year the group acquired 80 per cent of Protein Plus which manufactures semi-moist pet food. This gives direct access to a market with great growth potential. The factory commenced production late in 1975 but is not expected to contribute to group results until later this year when sales volume increase.

A vigorous selling policy not only carried the two engineering companies through 1975 with an adequate return on capital, but also strengthened them for the renewed activity in 1976 and both turned in good profits.

The present large order book means that additional production capacity now be looked for to meet rapidly increasing demand for products. Consideration is at present being given to a £250,000 expansion programme at John H. Taylor at Consett following the

BUNZL PULP & PAPER LTD

REPORT AND ACCOUNTS 1975

The 36th Annual General Meeting of Bunzl Pulp & Paper Ltd. was held on 15th June 1976 at the Grand Eastern Hotel, London EC2. The following are extracts from the Report and Accounts for the year ended 31st December 1975.

SUMMARY OF RESULTS

	1975	1974
Net assets employed	£2,000	£2,000
Turnover	63,267	56,198
Group surplus before taxation	184,092	180,143
Earnings for shareholders	12,247	14,067
Dividends per share, including tax credit	5,552	5,574
Earnings per share before extraordinary items	6,106p	5,551p
	21.2p	21.3p

● Increase in liquid funds of £7,669,000 after repaying loans of £1,773,000.

● 80% of 1975 surplus arose from exports and overseas earnings.

● World-wide recession made 1975 a very difficult year which saw a change from the buoyant conditions of 1974 to a situation where most factories were short of orders for at least part of the year. Surplus before taxation for the first half was approximately at the same level as the preceding six months due largely to currency exchange gains and a carry over of orders from 1974, but there was a marked decline in earnings for the second half of 1975 which reflected the generally lower activity for the year.

● There has been a welcome increase in activity during the first few months of 1976 but currency fluctuations and overseas political uncertainties make it doubtful whether this improvement can be maintained. It is too early, therefore, to make a forecast for the whole of 1976.

● Our results would not have been achieved without the wholehearted support and teamwork of all employees in the Group, for which I should like to express thanks and appreciation. The Board is very aware that it is of great importance that all staff should be as well informed as possible of how the Group is faring and coping with the difficult times we live in. We have again sent a statement on our results to all employees.

COMPANY ANNOUNCEMENT

SOREC LIMITED

(Incorporated in the Republic of South Africa)

CHANGE OF FINANCIAL YEAR END

Sorec Limited announces that for reasons of administrative convenience it has been decided to alter the financial year end of the company from 30th June to 30th September each year. As a consequence, the current financial year will cover the period of 15 months from 1st July 1975 to 30th September 1976.

In accordance with the provisions of the Companies Act, 1973, an interim report as at 30th June 1976 will be issued to members during July.

Jobannesburg.

16th June 1976.

J. Compton, Sons & Webb (Holdings) Limited

Best ever trading records as market changes
"A challenge we cheerfully accept"

	1975 £'000	1974 £'000
Sales	19,748	13,493
Operating profit	2,396	1,367
Profit after tax and extraordinary items	894	534
Dividends per ordinary share	11.825p	10.75p
Earnings per ordinary share	5.78p	3.82p
Net Asset Value per ordinary share	37.1p	32.8p

Points from the review by the Chairman, Lord Chelwood:

- Greatly increased sales and profit at home and abroad. Maximum dividend.
- Exports more than tripled to £1.5 million. Continuing market research in The Middle East.
- New company formed to seek and develop markets in U.K. and overseas.
- Reduced requirements by Government and public authorities cause of shorter current order book.
- Very good start in the first few months of 1976.
- We are fast moving to a buyers' market—a challenge we cheerfully accept.
- The Compton Webb Group is very soundly based and has bright prospects.

Copies of the Report and Accounts may be obtained from The Secretary, 10 Fitzroy Square, London W1P 3HQ.

H.A.N. Brockman considers the animal houses

Architecture at London Zoo

NO SUCH thing as an architectural museum exists, unless it is a city centre which has developed over considerable period, is itself a museum. But the nearest one can get to this is, unexpectedly, the London Zoo where building and rebuilding has been going on ever since its foundation 150 years ago.

The first architect, appointed the Society was Decimus Burton, very little of whose work now remains, but as the designer of the Athenaeum Club in London, he would have brought distinction to any contribution to a newly planned Zoological Garden. The earliest buildings were small, "folly-like" in an elegant garden for entertainment and curiosity among lawns cut by the head gardener with the first mower, described as "machinery for the cutting or shearing of the vegetable surface of lawns."

The next architect of note was Anthony Salvin, who built in both neo-Gothic and neo-Classical styles. His Eastern Aviary of 1863 is still in use and his Lion House of 1876 was in use for just 100 years.

One of the most significant departures from the tradition of houses, followed by cages and later open yards, was the representation of mountainous conditions as seen in the Mappin Terraces of 1914. These scenic areas, designed by the architect J. Jones, were based on Carl Larsson's scenic panoramas in Stockholm. Much of Jones' work still remains, including the main offices 1910, and the Pavilion 1923, and the Elephant House, 1929, on the Outer Circle. Sir John Dawber designed the reptile and Monkey Houses and the Main Gate in a "rustic ballustrade" style in 1927.

In 1933 when Dr. Julian Huxley was in control there was a sudden further architectural advance when Barthold Lubetkin was brought in to design a new Gorilla House. This building in which forward-looking design went hand-in-hand with modern technology was followed the following year by one of the most famous examples of modern design in his country: the Penguin Pool. It is hardly architecture, much nearer to a piece of abstract sculpture with its elliptical houses a colony of penguins;



Part of the New Lion Terraces.

enclosure and the ribbon-like covered ways between the enclosures protect the public into the water, a perfect framework for these fascinating creatures.

The next outstanding design was the equally abstract Northern Aviary of 1965 by Lord Snowdon and Mr. Frank Newby and then, in the same year the marvellously appropriate design of the Elephant House by Sir Hugh Casson. Here the rough ribbed texture of the walls, their rounded forms topped by the great dark cowl, have a close affinity with the animals they house within an almost forest-like interior.

Freshness

Now the Elephant House can be seen and appreciated from a distance, as a large area of lawn, made possible by clearing a wide to the east, has opened up the ground between it and the latest Zoo developments: the New Lion Terraces. Replacing Salvin's Lion House of 1876, they have all the freshness in their design to be found in any of their predecessors.

The planning of this new area by Mr. John Toovy, the present architect to the Society, divides it into seven outdoor enclosures with four dens, inaccessible to the public, in which the animals feed and are generally "managed." Part of the scheme includes an aviary for water birds and the whole adjoins the "three-island pond" which ably "rural" in feeling, 16 out of 18 trees have been retained.

► 4,000,000 Shares

General Telephone & Electronics Corporation

► \$2.475 No Par Preferred Stock

Paine, Webber, Jackson & Curtis
Incorporated

Dean Witter & Co.
Incorporated

Bache Halsey Stuart Inc.	The First Boston Corporation	Blyth Eastman Dillon & Co. Incorporated	Dillon, Read & Co. Inc.
Donaldson, Lufkin & Jenrette Securities Corporation	Drexel Burnham & Co. Incorporated	Goldman, Sachs & Co.	Kidder, Peabody & Co. Incorporated
Hornblower & Weeks-Hemphill, Noyes Incorporated	E. F. Hutton & Company Inc.	Loeb, Rhoades & Co.	Salomon Brothers
Kuhn, Loeb & Co.	Lazard Frères & Co.	Lehman Brothers Incorporated	Reynolds Securities Inc.
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R. W. Pressprich & Co. Incorporated	SoGen-Swiss International Corporation	Yamaichi International (America), Inc.	
UBS-DB Corporation	Wood, Struthers & Winthrop Inc.		

May, 1976

All of these securities having been sold
this announcement appears as a matter of record only.

GTE

Hallam

We've changed a lot of people's minds about building.

Every day, more and more people are turning to Hallam system building as a solution to their accommodation problems.

Why are so many people specifying Hallam? There are many reasons, but probably most important of all, are Hallam's own high standards. Standards of design. Standards of materials. Standards of manufacture.

Or perhaps it's because we were pioneers in system building and have over 50 years' experience in timber and construction, at home and overseas.

Over 30 million square feet of Hallam systems already in use

Factories, workshops, offices, exhibition halls, hospitals, schools, houses, farm units, laboratories, medical centres, renal dialysis units, stores and site cabins. Hallam are producing them all.

Flexible system buildings that provide the designer with freedom for individuality and the opportunity to build two or three storeys high. Proven systems that allow maximum site utilisation.

Systems with built-in, heat conserving insulation and soundproofing for better working and living environments.

Award winning houses

Hallam have built thousands of houses in both the public and private sectors.

Developments that have earned several awards for good design, and a Commendation from the Civic Trust. To say nothing of the praise from residents more than satisfied with the excellence of their new accommodation.

And now our new volumetric houses are setting the pace in ready-to-occupy homes. They're delivered to site complete with fitted kitchens, bathrooms, all wiring and plumbing, and fully decorated.

Versatile instant and permanent accommodation

Hallam 'Compac' and 'Lincpac' are superbly built units, equally good looking, inside and out. Adaptable, extendable, permanent or relocatable, they can be ready to occupy within 30 minutes of delivery.

There's an extensive choice of interior options and fittings to suit a wide range of uses, from site cabins to classrooms and offices.

Modern buildings for modern farmers

Right from our early days, we've been involved with farming and agricultural buildings.

Today, the range runs from simple storage and warehouse units, to complex buildings accommodating the most technically advanced equipment, providing controlled environments for many types of livestock production.

No compromise on quality or service

Our unique background in timber technology has taught us not to relax our manufacturing standards. All our structural timber is treated and accurately machined before use.

We work to fine engineering tolerances, quite unusual in the building industry.

Our highly advanced production techniques, backed by full quality control, ensure consistent, trouble-free installation.

And we are always ready to discuss and advise on any aspect of design and utilisation of Hallam system building.

The next time you're thinking about new accommodation, speak to us first. Very likely, we'll change your mind about building.

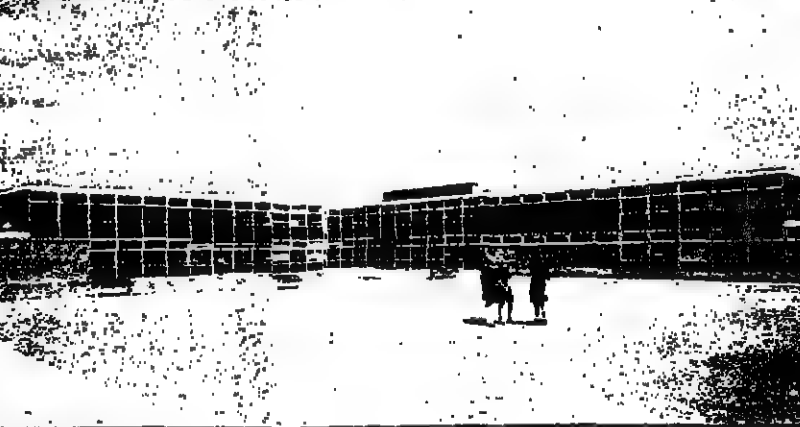
Hallam

Hallam Group of Nottingham Limited,
System Building Division,
Langley Mill, Nottingham NG16 4AN.
Telephone: Langley Mill 66141 Telex: 37426.

Motorway Restaurant at Keele, on the M6.



Denham Comprehensive School at Rossett, near Wrexham.



Hallam Mk3 housing at Maltpool, Derbyshire.



Hallam Compacs for Denman Electrical Supply Limited, Bristol.



FARMING AND RAW MATERIALS

Nickel plant strike to go ahead

OTTAWA, June 15. THE STRIKE by 2,800 employees at Inco's Thompson, Manitoba, nickel plant would proceed as planned at midnight tonight, said a spokesman for the United Steelworkers of America.

Union and company officials, and Manitoba Premier, Mr. Ed Schreyer, had appealed to Mr. Donald MacDonald, the Finance Minister, for Federal Cabinet intervention in an Anti-Inflation Board rollback of a wage increase negotiated between Inco and the steelworkers.

But union spokesman, Mr. Dick Martin, said Mr. MacDonald had maintained that the case should run the normal appeal course under the Anti-Inflation Act.

Picketing at Alcan Smelters and Chemicals continued as provincial labour officials sought ways to end a two-week walk-out by the Canadian Association of Smelter and Allied Workers (CASAW), industry sources in Montreal said.

The company, a subsidiary of Aluminum of Canada, applied yesterday for a provincial labour board ruling against picketing by eight members of the Federation des Syndicats du Secteur Aluminium du Quebec, who are on a legal strike at three Alcan sites in that province.

The Quebec union members set up their around-the-clock picket soon after police arrested and removed 32 CASAW pickets over the week-end.

Good weather boosts rice plantings

FAVOURABLE WEATHER prevailed for the planting of the 1976-77 rice crop in most producing regions, the Commonwealth Secretariat said in London. Although the supply-demand situation may cause some lowering of production, the emphasis in most developing nations was on increased output.

The aim in many of these countries would be to build stocks against future scarcity, the Secretariat said. World production in 1975-76 was forecast at 343.8m. tonnes (including China), compared with 326.1m. tonnes last year. While supplies seemed ample at the moment, international trade was lower because of reduced import needs in some developed nations and effective limitations in others due to balance of payment problems.

Exports in 1976 were tentatively forecast to be down 4 per cent, Reuter.

Tin prices hit record level on London market

BY JOHN EDWARDS, COMMODITIES EDITOR

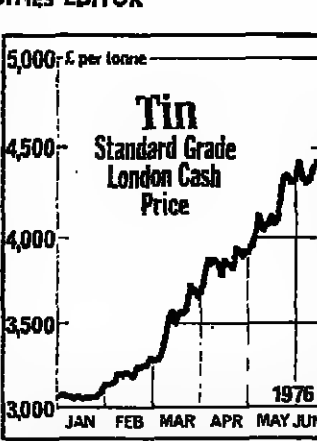
TIN PRICES reached record levels on the London Metal Exchange yesterday, the three months quotation reaching £4,800 a tonne for the first time in early morning trading.

The market lost ground in later trading, however, as a result of profit-taking sales and selling, believed to be on behalf of the buffer stock of the International Tin Council.

Cash tin consequently closed £16 higher, at £4,825 a tonne, and three months £12 up on the previous close, at £4,563.5 a tonne.

The London tin market was buoyed up initially by a further increase in the Straits tin price overnight, which reached \$312 to \$311.375 a picul, \$311.2 to \$310.375 a picul, fixed at the last Tin Council meeting in May, despite some heavy selling by the buffer stock in recent weeks.

Continuing strikes by tin miners in Bolivia, the world's second biggest tin producing



country, have given a firm undertone to the market. It was reported yesterday that the stoppages had spread to several new mines as the conflict with Government troops worsened.

It is suggested that surplus supplies held by the buffer stock have been drastically reduced to a fairly low level making it that much more difficult to control market prices. This could minimise the complicated problems

of how to transfer buffer stock holdings from the present Tin Agreement to the new pact—due to come into force on July 1—when the Tin Council meets next week.

At the same time, there will be renewed pressure from producing countries for a further rise in Tin Agreement price ranges, which is likely to be firmly opposed by the consumers in view of the two increases already agreed this year (at the March and May meetings).

This conflict and the attitude adopted by some producing countries about ratifying the new Agreement have led some delegates to believe that it will be difficult to obtain sufficient support for the new pact to come into force on July 1.

In turn, this would mean a system of stability in the market which in the present 'bullish' atmosphere might well temporarily bring still higher prices, although it is felt that basic consumer demand has not recovered sufficiently to justify higher levels.

No sugar price cut for Japan

SYDNEY, June 15.

LAST WEEK'S visit to Australia by Japanese sugar refiners won no concessions on the operation of the Australian/Japanese 300,000 tonne-a-year contract, informed sources here told Reuter.

They said this was confirmed by a Sugar Board statement in Brisbane.

The Association said before the mission left Tokyo that it wanted to discuss a cut in the fixed contract price of £228.8 a tonne to aid the recession-hit industry.

CSR has agreed to defer shipments of contracted tonnage in the past, but otherwise no variation has been made in the contract terms.

But, in view of the points raised by the Japanese mission, further discussions concerning the operation of the contract would take place between CSR and the Japanese industry in Tokyo in October, said Australian Sugar Board chairman, Mr. Lloyd Harris.

Our Commodities Staff writes: World sugar values continued to derive underlying support from European drought fears and futures values on the London terminal market moved up by several pence in early dealing, while the London daily raws price was fixed 6p higher at £182 a ton.

But prices eased later in the day influenced, said some dealers, by a report that Spain this year were likely to drop because of expectations of a higher 1976 Spanish beet crop.

Angola seeks coffee pact membership

THE INTERNATIONAL Coffee Organisation's executive Board is expected to recommend an Angolan application for membership at a special meeting to-day.

Angola has meanwhile become a member of several United Nations agencies and an opposition to the present pact and one or two African nations.

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EEC STRAWBERRY SUPPLIES

Need for adequate market information

BY A SPECIAL CORRESPONDENT

THE RECENT conference of strawberry producers in Brussels, at which all EEC member in countries except Ireland were represented—was the latest attempt to regulate production and marketing of this most valuable crop.

Unlike apples or tomatoes, strawberries have a shelf life of 48 hours and so must be disposed of at once by the market, to which they are sent. Harder, and more durable fruit can be held by the market or retailer in times of glut or even switched to another place where demand is greater.

In this 48-hour life of strawberries which makes them vulnerable to every market influence from over-supply at any one point to consumer resistance at the other end.

Within Europe the position, although not desperate, is quite critical. The EEC alone grows about 350,000 tonnes of strawberries a year, the Eastern bloc 250,000 tonnes and other Mediterranean countries with Portugal about 45,000.

In Italy is the biggest producer with over 140,000 tonnes a year. France comes next at 70,000 and the U.K. 50,000. Western Germany is the largest importer taking the bulk of her fruit from Italy.

The conference came up with the usual resolution to the EEC Commission asking for Community preference, without tackling the much more urgent

problem of adequate market information and distribution within the Community itself. This according to key figures in the industry is what is required more than anything else at the present time. To know the amounts destined for any particular market at the time it is being prepared for, could obviate over-supply in one area with unwanted supplies being diverted to markets where they could be absorbed.

Instead of the practical and constructive approach of market organisation within the Community, being at least debated fully, there was the sorry spectacle of delegates returning to their respective countries resolved to insist at all costs on production from their own country going just wherever the market glutted and failures are being blamed squarely on third countries and the disruption that even small quantities sent to the EEC can cause.

There seems little hope that the Commission will find time even to discuss the requests from the strawberry producers for strict maintenance of Community preference; realistic prices from processors; import surveillance rigorously enforced; and a price system for strawberries and every effort to increase consumption within the Common Market.

It is certain that strawberry producers along with many

others who grow crops for consumption will be told to see their own salvation within the existing rules.

Producers in this country are looking forward during the season just starting to prices of the fresh market which will cover the increased costs due to inflation while in the large processing area around Wisbech it hoped that £300 per ton will be paid eventually.

As usual the processing companies are hanging on as long as possible before committing themselves in the hope that the growers will be forced to conclude deals at less than the figure. There are, at present, reports that some have signed agreements for sums varying from £250 a ton to £280.

One part of the strawberry business which is flourishing, however, is supplying the "end" of the fresh market. Here one Kent grower has 32 members growing a total of nearly 70 acres of strawberries with the average producing 20 per cent of the Kent acreage.

This is marketed now in the so-called Trolly system, in which the Americans are transporting highly perishable goods so that they arrive on the market in pristine condition. The group reports that returns received for better quality strawberries justify the expense of extra 2p a pound which the transport system costs.

Japan the key to wool demand buoyancy

SYDNEY, June 15.

Japanese demand for wool was watched closely at Australian wool sales this week, said the National Council of Wool Selling Brokers.

Despite widespread world competition, Japanese buyers last week completely dominated the strongly rising markets in Melbourne, Sydney and Fremantle.

The buoyancy of this week's demand would depend to a significant degree on Japanese wool requirements in the next three months, the Council said.

At today's Newcastle sale, the main interest was from Japanese buyers, but prices were quoted from par to 2.5 per cent cheaper than those of last week for all types of Merino, fleeces, skinning and carding wools. Fine wools were least affected.

Clearance to the trade of the 12,637-bale offering, including 3,689 by sample, was 98 per cent.

In Hobart, Tasmania, however, the 21-23 micron range and the 23-25 range were 2.5 per cent dearer, compared with last week's close on the mainland, the official report said.

Competition was keen, western and eastern Europe and Japan being the principal operators. Support also came from Bradford and local mills. All the 11,904 bales offered were taken by the trade.

The recent upsurge in demand is attributed to a continuing revival in the world wool textile industry, the covering of orders against the July/August Australian sales season; and growing fears of a shortfall in estimated Australian raw wool output in 1976-77.

The trade last week accounted for 96.4 per cent of the 105,541 bales offered, the Council said. Mr. Bill Williams, director of the brokers' council, said the average price realised for the 47,186 bales sold last month was 160.11 cents a kilogram greasy or \$4,222.06 a bale.

The 3.2m. bales sold during the 11 months ended May 1976, valued \$45,200,000, or \$4,520 a bale, Mr. Williams said. The price per kilogram was 11.22 cents, up on the 11.02 cents for the corresponding 11 months last season.

Total proceeds so far for 1976-77 were \$565,690, against \$450,000 for the previous period. The wool had been sold Reuter.

COMMODITY MARKET REPORTS AND PRICES

BASE METALS

COPPER—Marginally easier on balance on the London Metal Exchange. Forward metal rose to 284 in the near-term market.

LEAD—Easier. Forward metal rose to 284 in the near-term market.

ZINC—Easier. Forward metal rose to 284 in the near-term market.

NICKEL—Easier. Forward metal rose to 284 in the near-term market.

ALUMINUM—Easier. Forward metal rose to 284 in the near-term market.

IRON—Easier. Forward metal rose to 284 in the near-term market.

STEEL—Easier. Forward metal rose to 284 in the near-term market.

COAL—Easier. Forward metal rose to 284 in the near-term market.

WHEAT—Easier. Forward metal rose to 284 in the near-term market.

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RYE—Easier. Forward metal rose to 284 in the near-term market.

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MAIZE—Easier. Forward metal rose to 284 in the near-term market.

SUGAR—Easier. Forward metal rose to 284 in the near-term market.

SOYBEANS—Easier. Forward metal rose to 284 in the near-term market.

CORN—Easier. Forward metal rose to 284 in the near-term market.

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TIN—Gained ground. A record level of £4,800 for forward standard metal was reached in the near-term market, owing to the market's reaction to the news of the strike at the Thompson nickel plant.

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COCA—Gained ground. A record level of £4,800 for forward standard metal was reached in the near-term market, owing to the market's reaction to the news of the strike at the Thompson nickel plant.

LEAD—Easier. Forward metal rose to 284 in the near-term market.

ZINC—Easier. Forward metal rose to 284 in the near-term market.

NICKEL—Easier. Forward metal rose to 284 in the near-term market.

ALUMINUM—Easier. Forward metal rose to 284 in the near-term market.

IRON—Easier. Forward metal rose to 284 in the near-term market.

STEEL—Easier. Forward metal rose to 284 in the near-term market.

COAL—Easier. Forward metal rose to 284 in the near-term market.

WHEAT—Easier. Forward metal rose to 284 in the near-term market.

BARLEY—Easier. Forward metal rose to 284 in the near-term market.

RYE—Easier. Forward metal rose to 284 in the near-term market.

OATS—Easier. Forward metal rose to 284 in the near-term market.

MAIZE—Easier. Forward metal rose to 284 in the near-term market.

SUGAR—Easier. Forward metal rose to 284 in the near-term market.

SOYBEANS—Easier. Forward metal rose to 284 in the near-term market.

CORN—Easier. Forward metal rose to 284 in the near-term market.

WHEAT—Easier. Forward metal rose to 284 in the near-term market.

BARLEY—Easier. Forward metal rose to 284 in the near-term market.

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Wednesday June 16 1976

Plastics

The revival of the international economy has raised hopes of a record year for the industry. But price rises are inevitable if high investment is to continue. The U.K. industry has a stable source of raw materials from the North Sea but the processing end of the industry needs strengthening.

AFTER THE downturn fell off in demand in markets around the world in 1975, companies engaged in the plastics industry, whether as suppliers of material, processors, or suppliers of equipment, have been enjoying the comparative luxury in the early months of this year of seeing their plants come back to full capacity.

For with the major economies recovering, bringing increased demand for cars, consumer durables, packaging and other products where plastics are now an important element, and with customers recognising that further increases in plastics prices are likely, destocking has ended and restocking is taking place.

Though much will clearly depend on whether the revival continues, the signs have been encouraging enough for some of the big companies, particularly in the U.S., to predict that the latter half of 1976 and 1977 could be record years for the plastics industry.

In the U.K., too, where capacity utilisation in the processing sector fell to some 60 per cent last year, with overall consumption down from the 2m. tonnes figure in 1974 to around 1.6m. tonnes, the big chemical companies which supply the industry have been able to report a significant improvement in first quarter results, with recovery in plastics a significant factor.

Improvement

The improvement in demand has encouraged the industry to hope that plastics will again be able to grow at double or more the rate of increase in gross domestic product in most countries. It is accepted that this might not be as rapid as in the past. Worldwide, a figure of 6 per cent to 8 per cent annual growth in plastic demand to 1980 is now being forecast.

Furthermore, the industry remains confident that the enormous increases in energy costs will not have significantly changed the position of plastics in relation to competing materials. Though the main raw material is energy in the form of oil products, the energy content employed in making plastics, as the chemical producers

plastics and converting them into industrial products is substantially smaller, for example, than is required in the manufacture of glass or metals.

But, while the industry remains confident about its competitiveness, the producers of raw materials have also been making it clear that substantial price rises remain to be passed on to industrial customers. The chemical industry worldwide has been faced with a very substantial increase in the price of the oil-product naphtha, one of its main raw materials, which has carried more than its proportionate share of the four-fold increase in oil because of

the very weak state of demand for some other oil products such as heavy fuel oil.

In the U.K., while starting out on a new project, the industry's bill for naphtha has increased seven times on the figure for 1972. Last year, with demand down by an average of 25 per cent in most countries, the producers were unable to recover these extra costs. Though the chemical companies have been taking the opportunity of increased demand this year to put up prices, further increases are envisaged.

The British Plastics Federation in a recent report forecast a 24 per cent rise in prices of LDPE this year and a continuing 10 per cent per year rise up to 1980. Polypropylene, polystyrene and others polymers are expected to see similar increases of 10 per cent per year, though these estimates will prove in the retrospect to be conservative.

The alternative to higher prices, as the chemical producers

have pointed out, is diversion of resources to other more profitable areas. Though existing and planned capacity means there is unlikely to be any shortage of polymers supply in the short-medium term—except in the event of another very rapid boom—later rounds of investment will certainly go ahead only if and when the chemical companies see the prospect of obtaining the much higher returns required to finance large-scale new capital investment projects.

For as well as paying more for raw materials such as naphtha, the chemical industry is also feeling the effect of inflation in the year, but inevitably

Britain's economic difficulties give grounds for continued caution. Largely as a result of the much lower rate of growth than in other European countries Britain's share of European plastics raw materials production has declined steadily since the mid-1950s. Part of the reason for this is that Britain has a much lower usage of plastics per head of population than other European countries because of the more sluggish U.K. economic performance.

West German consumption per head is more than twice that in the U.K., and in France and Germany consumption is as much as one and a half times as great.

The chemicals industry economic development committee in a recent report pointed out that the advent of North Sea oil—providing a secure source of supply—and confirmed membership of the EEC, does provide the U.K. with increased opportunities, particularly for improving sales to Europe.

There is, too, some evidence that investment in the production of plastics materials in the U.K. is being stepped up to meet the rising demand expected in the rest of the decade, particularly from Europe.

BP is continuing its programme of investing in the main downstream sectors where it is involved, and is currently building with ICI a joint 500,000 tonnes ethylene plant at a cost of more than £155m. on Teesside. ICI is itself building various downstream plants and has also announced major extensions to its facilities for producing pvc in the U.K. Further investment in pvc has also been announced by another company, British Industrial Plastics, and Monsanto, the U.S.-based producer, is making its largest investment outside the U.S. at Seal Sands on Teesside, where it is spending more than £120m. on a plant to produce acrylonitrile for use in fibres and plastics production.

Borg-Warner is to spend £20m. on expansion of its Grangemouth facilities in Scotland for the production of ABS and MBS resins, and Shell is expected to make a decision later this year on a major new ethylene plant in the U.K., again likely to be accompanied by downstream facilities.

The company is also currently engaged in an expansion of its Epikote resins plant at Stanlow on Merseyside. The U.K. was also likely to become an increased form of investment by Union Carbide, following the company's decision to make BXL its British subsidiary. Its principal European phenolics outlet.

Urgent

But while these and other developments will do much to ensure the continued growth of supply in the U.K., there is some agreement that the most urgent problem within the industry remains the strengthening of the consumers of these products, the plastics processing industry. The industry consists at processing level of at least 3,000, and on some estimates as many as 5,000 companies, employing around 150,000 people, with a total turnover of around £1,500m. in 1974. Most of the companies are in a turnover range of around 500,000 to £600,000. Total turnover of the whole U.K. plastics industry, including the supply of plastics materials, additives, processing machinery, dies and moulds is put at £2,300m.

The problems faced by the plastics processing industry in

recent years have been those of other sectors of the economy, in particular those where small companies predominate. The industry has been affected by new tax burdens, including capital transfer tax, and on prices is in danger of being squeezed between the desire of suppliers to put up prices and the reluctance of customers to accept that these have to be passed on. The processors have themselves in some cases been able to hold down their costs over the past year by buying some raw materials offered at very low prices by Continental producers, particularly in Italy, but these supplies

Particularly where bulky products too difficult to transport from the U.K. are involved U.K. producers have decided investment in the EEC is necessary to share in faster Continental rates of growth.

The next few years will determine whether this trend becomes more firmly established or whether the U.K. can reverse its declining share of European plastics production. Much here will depend on whether the difficulties facing the downstream sectors are overcome.

The problems facing the industry have now been well identified in a number of reports and some action has followed. The Government has included plastics materials in its list of growth sectors, though it is not clear what this means in practice. Paradoxically materials processing has not been included. Proposals have also been put to the Government for assistance for the machinery sector, which has been affected by imports pressure.

The BPF has set the industry the goals of achieving a higher U.K. consumption of plastics through special concentration on marketing. The industry, which has maintained an overall trade balance in most recent years (though not with the EEC), has also been set the target of increasing exports—currently estimated at around 30 per cent, of the processing sector's output—and reducing imports.

The degree of success will clearly depend, however, on many factors outside the control of the industry, not least the performance of the U.K. economy and the overall business climate created by the Government. Simply being a growth industry has not prevented U.K. plastics from sharing most of the problems of the economy as a whole.

Base

To achieve this increase the BPF estimates the capital base of the industry will need to rise from £735m. in 1974 to £855m. in 1978, and to secure the necessary finance a return on capital of more than 25 per cent. will be required—substantially more than most companies are currently achieving.

This rate of growth nevertheless remains much less than the industry feels could be obtained if full advantage were to be taken of North Sea oil. The BPF points out that oil converted into relatively simple plastics products can represent a 12-20 fold increase in added-value and a substantially greater increase for sophisticated products.

But while the idea of greater integration from oil through to finished products—replacing imports into the U.K. and adding to overseas exports—is attractive, the performance of the U.K. economy compared with the rest of the world over the next few years is likely to limit the extent to which this can be put into practice.

Faster growth rates in other European countries have led to greater innovation in the use of plastics and consequently to a higher consumption per head. European-built cars which carry a substantially greater proportion of plastics components than their British counterparts are an example of this.

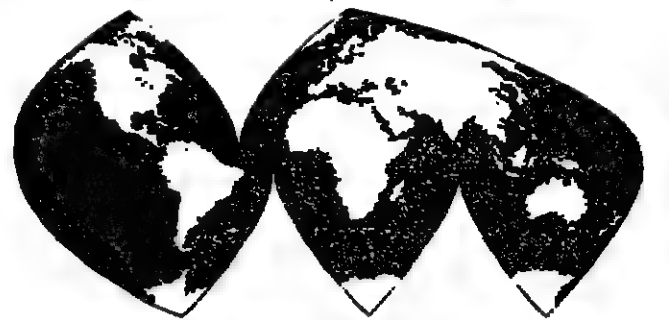
Some of the big engineering groups such as GKN have gone very deeply into plastics because of the prospects the material offers for replacing machined parts. Metal suppliers like Amari have also diversified into plastics. In general, however, over much of industry's lack of funds has been responsible for discouraging innovation and this has further affected international competitiveness.

The need to participate in faster-growing markets and to be sure of a reasonable rate of return is one reason for the expansion of U.K. plastics producers of their interests in Europe, and for the hesitancy of the big European plastics producers to invest in the U.K.

Full capacity returns

By Rhys David

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THE RECENT decision by Imperial Chemical Industries to cut the average credit term to U.K. customers is further evidence of the strength of recovery in the chemical and plastics industries. That is not the sort of action taken during a recession.

Another indication of the growth potential comes from the British Plastics Federation's latest business trends survey. Without exception the materials producers expected home sales to increase between July and December this year. Eight out of ten expected exports to the EEC to rise while 70 per cent. forecast an increase in export sales to non-EEC markets.

Another Federation report, published in April, suggested that U.K. thermoplastics demand could rise 10 to 20 per cent. this year, with a further growth of 50 to 100 per cent. up to 1980. There were similar expectations in the rest of Western Europe.

Ethylene

Mr. Bill Thomson, chairman of Shell Chemicals U.K., in looking further ahead to the period between 1980 and 1985, records the popular current assumption that ethylene demand could carry on growing at an average annual rate of around 6 per cent. On this basis, ethylene consumption in Europe could reach 20m. tonnes by 1985—putting pressure on the chemical industry to provide some 5m. tonnes more capacity by the mid-1980s. Closing that 5m. tonnes gap would require the construction of ten world-scale ethylene complexes.

This growth, both in the short- and medium-term, pushes to the fore the question of feedstock, one of the most important fundamental factors in any investment decision these days. Once upon

a time, back in those heady days before the 1973 oil crisis, the chemical and plastics industries gave little serious thought to feedstock: it was assumed that raw materials would be available.

The traditional petrochemical industries throughout the world were based on surplus oil company fractions and cheap gases. In the U.S. the industry was largely established on a feedstock of ethane, extracted from natural gas. In Europe the industry took surplus naphtha as fuel value from fuel-oriented refineries.

How the situation has changed. Naphtha is no longer a by-product of refineries, to be disposed of at a throw-away price. It has become one of the fastest growing oil products, leaving the chemical industry to compete with the petrol market for supplies. This competition, together with the five-fold increase in crude oil prices, has transformed the chemical industry's feedstock costs.

Naphtha, which could once be purchased in Europe for around \$20 a ton is now costing nearer \$150 on the Rotterdam spot market. There has been an appreciable increase in recent months giving a more accurate indicator perhaps of the way the economic recovery—and hence competitive pressure—is affecting prices. In October last year, for instance, spot prices were reported to be around \$115 a ton while in January they were about \$132.

Not only are the plastic material suppliers adjusting their pricing structure to reflect the new values of feedstock (these adjustments are easier to achieve at times of growth and peak demand); they are also being forced to re-evaluate their supply and manufacturing positions.

Up to now the base petrochemical plants have been relatively simple and inflexible, designed to accept one form of feedstock only. Increasingly in future they will be more flexible, able to take advantage of short-term market fluctuations in different feedstocks. In addition they will become more sophisticated and expensive, a point made by Mr. Geoffrey Paton-Williams, an ICI Petrochemicals Division director, in New York last month. He foresees a trend away from naphtha towards other feedstocks, particularly gas oil, in Western Europe and a marked movement in the U.S. from gas and gas liquids towards heavier feedstocks.

Having accepted this change, the petrochemical industry has the agonising task of trying to meet possible growth with new and extremely expensive capacity. If it under-invests it restricts the growth of the material users, the plastics and man-made fibres industry in particular. As recently as last autumn there was a shortage of benzene available to the chemical industry, resulting in a temporary tight supply of styrene monomer. Here is a clear case of a chemical feedstock being wanted in another voracious market: benzene is being used increasingly to replace lead in petrol.

A shortage of raw materials is not only harmful for the users—plastics processors and the like—but to the country as a whole. The mark-up in added value terms from oil to the finished plastics article is perhaps 20-fold for relatively simple products and many times higher for more sophisticated items.

On the other hand, material suppliers must be wary of building new capacity too

enthusiastically. By building too much too soon they face the prospect of overcapacity. The chemical industry remains, after all, too clearly how this leads to eroded profitability and a curtailment of future investment.

Availability

In considering expansion plans, materials producers must not only consider the likely demand but also the availability of various essential feedstock. Here the British industry is probably in a better position than any of its associates in Western Europe. With North Sea oil and gas now coming ashore, U.K. petrochemical companies have an opportunity of tapping an assured supply of feedstock, providing there is no political interference.

A recent National Economic Development Office report on prospects up to 1985 stressed the importance for Britain of a large and healthy chemicals sector. It also pointed to the opportunities available for British and overseas companies to exploit North Sea resources.

There is already a considerable chemical industry presence in offshore exploration and development, either directly—as in the case of ICI and Monsanto—or through parents like Shell, BP and Esso. In addition a number of material producers are making tentative arrangements for receiving feedstocks from North Sea participants.

Dow Chemical, for instance, has been negotiating with Shell/Esso over the possible supply of ethane from Brent Field. It is likely that the average volume of ethane produced from Brent will be in the range of 650,000 to 800,000 tonnes a year, sufficient to yield about

800,000 tons of ethylene. So it is possible that one ethane-fed cracker, much as the one proposed by Dow, might be built in the U.K.

It may be that the prospects for ethane as a feedstock have been over-stated recently and that other natural gas liquids, such as propane and butane, could play a much more important role in this field. One report suggests that by 1985 the annual output of North Sea gas liquids could be 5m. to 5m. tons, more than enough to enable the production of ethane of well below 1m. tons. Such a production level might well prove to be much more than Europe could absorb as a petrochemical feedstock.

The availability of propane and butane in large quantities could well result in both products losing the premium rating they now enjoy. They would thus become more attractive as a chemical feedstock.

On the face of it, the U.K. chemicals and plastics industries are in a far more favourable position than their counterparts on the Continent when it comes to security of raw materials. Whichever feedstock they choose—gas or oil-based naphtha—the North Sea should be able to provide that all-important security of sup-

Stimulate

The Chemical Industries Association feels that assurances of feedstock supplies, with market freedom and minimum of political interference should be enough to stimulate growth. The British Plastics Federation would like to see more fiscal encouragement. The Government is trying to persuade the industry to find a formula which would enable the plastic industry to buy North Sea gas stock at a discount price through a rebate scheme. Christopher Bromley, deputy director of the Federation commented: "We are quite sure that a strategy can be devised compatible with this spirit."

While it must remain doubtful that the industry will given preferential treatment there is no reason why Government should not take more positive attitude towards industrialisation on the part of North Sea oil and gas. Indeed, in this respect it may take a leaf out of the book some of the Middle East producers.

Ray Day

Pricing worries
for producers

POLYMER CAPACITY is more than adequate to meet probable demands through to 1980. Shortages, if they occur, will appear in feedstocks. Killed by the oil crisis, the era of cheap plastics is not only over, its primary characteristic of declining unit costs is unlikely to return—even with the advent of North Sea oil. That, broadly, is the outlook of plastic raw materials producers as they begin their recovery from their worst recession ever.

What has happened is a fundamental economic shift in feedstock production. Although still capital intensive, petrochemicals now carry a significantly higher raw material element in their production costs—in the case of ethylene from naphtha crackers, 85 per cent as against around 40 per cent in 1972. Coupled with an explosive growth in plant costs, it means new plant can be a less attractive capacity investment than debt-financing an old one. It also means that in the future petrochemical producers are going to be more concerned with maintaining high price levels for polymer feedstocks like ethylene, propylene and benzene, than running their plants at full capacity.

High feedstock costs are likely to be permanent petrochemical producers explain, because chemical naphtha, the plastics industry's main raw material, now competes with

gasoline for an upper fraction of the oil barrel. Failure to price it competitively with motor gasoline feedstock, they claim, could lead to the gasoline pool drawing in too much primary naphtha leaving petrochemical outlets short when seasonal demand for petrol rises each summer.

Aggravated

In Britain the position is aggravated by successive sterling devaluations, by the recent mild winter, and by the recession itself. Naphtha, like crude oil, is priced in dollars and becomes dearer with each fall in the pound. In addition, refiners are trying to raise naphtha prices to compensate depressed prices for gas oil, used mainly for domestic heating, and fuel oil. Low demand for fuel oil is critical in another respect because it puts a brake on refinery throughput, limiting availability of primary naphtha. The medium term outlook for naphtha supply, through say 1980, also depends, therefore on how Europe's economy comes out of the recession. The bottom line is that oil throughput will continue to grow but at a very modest rate. This means chemical naphtha and motor gasoline feedstock will take up all the primary naphtha available producing temporary shortages in the face of even small fluctuations in supply and demand.

Given sufficient naphtha, supplies of polymer feedstock should be adequate in the U.K. Chemicals, now Britain's sole supplier is just completing new capacity which will 120,000 tons/yr. will make the U.K. self sufficient in HDPE again. At the end of this year, however, supplies of styrene monomer could be tight, the BPF says. For Europe as a whole there could also be an imbalance in propylene next year, although it is not clear if this would affect the British market. Propylene shortages will increase up until 1979 as new polypropylene capacity is introduced according to estimates by CEFIC, the Centre European Federation Industri Chimique.

Against this background polymer and resin producers' immediate problems are likely to be on price rather than ability to supply. To keep up with feedstock and capital costs they are looking for annual rises of at least 10 per cent. in the commodity thermoplastics. So far they have obtained such increases and made them stick, but the going is not easy. Avenstoned to generally low price levels both processors and end-users are resisting price changes, and this, according to a recent BPF business trends survey, is putting a brake on demand. In the light of higher resin prices and generally much higher per capita consumption elsewhere in Europe, producers are optimistic this can be overcome. In their view, the Price Code remains, however, a major stumbling block. One particular anomaly, they hope, will be removed in revisions due this month. At present it is possible for one producer to be allowed a price rise but be unable to carry it out in practice because a competitor cannot follow.

On the supply side, producers expect a progressive move from present over-capacity in relation to depressed demand to a broadly balanced position sometime next year. In the medium term they also intend to cover U.K. demand largely from domestic production.

Highest growth rates are between 15 to 20 per cent. are forecast for polypropylene (pp), which should reach 300,000 to 350,000 tons in 1980 if feedstocks permit. Currently PP is also the one commodity thermoplastic on restricted supply pending the start up of ICI's new production unit at Wilton. The delay in this plant could prevent consumption reaching forecast levels of around 180,000 tons this year. Prices are predicted to rise by 10 per cent. a year. Whether this can be realised, however, depends how supply and demand develops in Europe as a whole. On the one hand propylene supplies could be tight, on the other a 20 per cent. surplus capacity is on the cards for PP in 1978.

High density polyethylene (HDPE) should also show well

above average growth, around 11 per cent. a year. BP should be adequate in the U.K. Chemicals, now Britain's sole supplier is just completing new capacity which will 120,000 tons/yr. will make the U.K. self sufficient in HDPE again. At the end of this year, however, supplies of styrene monomer could be tight, the BPF says. For Europe as a whole there could also be an imbalance in propylene next year, although it is not clear if this would affect the British market. Propylene shortages will increase up until 1979 as new polypropylene capacity is introduced according to estimates by CEFIC, the Centre European Federation Industri Chimique.

Supplies

Depending on how supplies may be restricted by styrene monomer feedstock, polypropylene should also grow at a rate of 7 to 8 per cent a year. Following a return to 1974 consumption levels of 150,000 tons this year, this would bring demand up to 215,000 tons in 1980. At that level consumption would be adequately covered by today's estimated capacity of 275,000 tons. In expanded polystyrene (EPS) potential demand judged by the lag in Britain's per capita consumption—0.3 kg for 1.7 kg head in West Germany—is enormous. No producer is betting on it, however. Dropping from a 33,000 ton peak to 18,000 tons last year, demand is expected to climb steadily to 25,000 tons in 1980. By comparison present aggregate capacity at Monsanto and Shell Chemicals is over 65,000 tons. In contrast high growth is forecast for the third major styrene, ABS which should return to 1973 levels this year, about 36,000 tons, as demand picks up in automotive, appliances and packaging end uses. Even if 10 to 15 per cent. growth rates are achieved, however, capacity will stay ahead of consumption. Current U.K. capacity, 50,000 tons/yr. will be augmented by a 55,000 ton Bore-Warner Chemicals expansion at Grange-mouth.

For PVC a 10 per cent. growth is forecast for this year bringing consumption levels back to 1972 levels, roughly 370,000 tons/yr. This compares with a capacity of 490,000 to 535,000 tons/yr. The outlook up to 1980 is for a 50 per cent. growth over 1975 reaching 550,000 to 600,000 tons/yr. Capacity for both vinyl chloride monomer and PVC resin should be sufficient to meet this, according to industry sources.

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الاستيكات

Machine makers lack capacity

STRONG IN technology, weaker in manufacturing capacity, seems to sum up the present state of Britain's plastics processing machinery industry. Like many other sectors of the U.K.'s engineering industry, plastic machinery makers have seen their once dominant market position eroded by fierce competition from overseas.

The major attack throughout the 1960s came from Germany and Italy—the Germans with their reputation for advanced technology taking the top and the Italians with their cheap but nevertheless efficient equipment the lower end. These countries were followed, among others, by France, Spain, Sweden and Holland as well as East Germany.

To-day, it is reckoned that imports account for nearly 50 per cent of the U.K.'s prime processing equipment market, which involves injection and blow moulding machines, extruders and presses that U.K. manufacturers truly dominate the home market.

Imports in 1975 totalled £21m, injection machines accounted for 25 per cent, at £5.2m, extruders 22 per cent, at £4.7m, and blow moulding machines 5 per cent, at £1.0m. The main countries of origin were dominated by Western Germany.

Imports

On the basis that imports represent around 50 per cent of total sales value, and this is only an estimate since British manufacturers do not divulge the value of their home market trade—the 1975 U.K. market could be put at around £42m for prime processing plant. However, this is only part of the picture, as ancillary machinery used by the plastics processing industry in secondary processes and finishing operations must be added. In all, this could well have added above £15m to the market last year. Then again there is the total for moulds, a major item of capital expenditure for most plastics processors. Estimates made by the Gauge and Tool Makers Association put the value for moulds for plastics at £25-£28m for 1975.

On the credit side, U.K. manufacturers exported prime processing machines worth £19m, over 50 per cent of which was accounted for by injection machines. There was a good showing in machines for boot and shoe making and thermofforming machines, where, in both cases, exports exceeded imports. By contrast, there was a negative balance of trade of over £3m in extruders.

In 1974 the comparative total for imports was £29.5m, a figure that clearly shows the extent to which the U.K. market declined in 1975. By comparison, the 1975 performance of U.K. manufacturers in exports was far better than might have been expected in view of the international recession in sales of capital goods. At £18m, sales were £4.4m up on 1974 and the adverse trade gap was thus narrowed to just below £20m.

The first three months of 1976 show an even more satisfactory position, with U.K. manufacturers clearly benefiting from the fact that internationally, trade has picked up considerably in the past six months. Against 1975, exports have risen by £0.8m, to £5.3m. One the same basis imports declined by £1.4m, giving the U.K. a slight but nevertheless favourable balance of trade.

The general conclusion to be drawn from these high export figures is that in technological terms, British-built machinery is as advanced as any produced in the rest of the world. In fact, there is some justification in the criticism that one of the reasons for the poor showing of British machinery in some areas has been the failure to exploit and publicise technical advances.

In injection moulding in particular, U.K. companies have made significant contributions to processing efficiency and energy conservation. The efficiency of energy utilisation of typical large injection machines is only 12-13 per cent. Through an advanced development GKN Windsor, in conjunction with Rolux, one of the U.K.'s leading processors, has improved that level of efficiency to 25-30 per cent. The project involved the twinning of two 1,800 tonne machines in such a

IMPORT-EXPORT TRADE IN PLASTICS PROCESSING MACHINERY 1975/76

Machine Type	IMPORTS		EXPORTS	
	1st Quarter 1975	Total '75	1st Quarter 1976	Total '76
Injection moulding for boots and shoes	48	456	61	531
Injection moulding	1,840	5,215	1,303	4,012
Vacuum and pressure forming	92	291	127	448
Blow moulding	312	1,090	102	376
Extrusion	1,593	4,751	459	1,589
Compression and transfer presses	65	316	99	279
Other machines (not specified)	2,716	3,785	2,459	11,518
TOTAL	6,653	21,037	4,538	19,047

Source: H.M. Customs and Excise

way that they can be used in tandem or as completely separate units. It gives tremendous flexibility in terms of machine utilisation. The key to improved efficiency is the use of gas filled accumulators which allow total installed motor capacity to be reduced to 250hp as against a more typical 1,000hp on a conventional machine of comparable size.

Another development pioneered in the U.K. is the use of vented barrels on injection machines. By eliminating the need for pre-drying when hygroscopic materials—nylon, polycarbonate, ABS and acrylic, for example—are being processed, the vented barrel reduces direct operating costs and eliminates the need for ancillary drying equipment. Rejects are also reduced, thereby contributing to process efficiency.

The industry is also benefiting from the results of fundamental research into polymer processing undertaken—often on the basis of multi-company sponsorship—by the engineering faculties of several universities. In an area where the U.K. was considered weak, notable contributions have already been made by Queen Mary College, London, and the Universities of Bradford and Cambridge.

The main problem facing the plastics machinery industry is a basic lack of manufacturing capacity. As the import figures indicate, the industry does not have the capacity to meet total home demand and at the same time to maintain its position in the export market. Overall, the industry has never been sufficiently profitable to justify capital investment at the level needed for continuing expansion.

Structurally the industry is reasonably well organised. The earlier fragmentation which was probably an important contributory factor in the loss of home trade to imported machinery, has been rationalised by mergers and acquisitions.

The slump of 1975 hit the plastics machinery industry particularly hard. The majority of plastics processing companies are relatively small and as such lacked the resources to invest capital in new equipment—or more important, to replace worn machines—during the recession period. With business picking up, processing companies are beginning to invest again but with the industry's present capacity situation there is the risk that much of this business will again be picked up by overseas suppliers.

This is not the first time the industry has faced this situation. As in so many sectors of the British economy cycles of heavy investment followed by recession have been the most significant feature of the plastics industry pattern of business over the past 15 years.

Forum

The problem has been recognised for long enough but now through the British Plastics Federation (the industry's trade association), and in consultation with the Department of Trade, positive attempts are being made to reduce the adverse effects of cyclical investment. In this, the plastics industry seems to be well placed, for it is one of the few with a trade association that covers all its various branches—materials supply, processing and machinery.

Using the BPF as a forum it is hoped to identify the long term machinery requirements of the plastics processing industry, and then to find, possibly with the help of Government, the means to spend the necessary capital at a more consistently steady rate. In turn, this would allow the machine building industry to plan much in advance, especially in terms of its own capital investment needs.

Increased capacity is not just a case of investing in new plant and machinery. Much could be done by increasing the efficiency of existing facilities. Productivity has never been high enough and as business activity recovers it must be raised if the plastics machinery industry is to remain competitive at home and in export markets.

Essential as this planning clearly is, it will not bring overnight success and in the meantime the plastics machinery industry must improve its position in the U.K. market.

Accepting that in technological terms U.K. machines are fully competitive, studies suggest that as much as 80 per cent of all imports are replaceable by domestically produced machines—then the industry must look to its marketing performance.

The U.K. is a very difficult market to sell into. In that British processors, unlike their counterparts in other Western European countries, put no particular priority on supporting

their domestic machinery industry. This means that selling must be more aggressive and greater emphasis must be placed on delivery times, after-sales service, spares availability and so on. There is no doubting that the continuing success of many German machinery manufacturers on the British market owes much to the reputation for service they built up in the early 1960s.

Machinery manufacturers must also be more prepared to offer "complete" package deals

including, for example, processing know-how and the supply of moulds, as do so many of their competitors. Here there appears to be a need for much closer co-operation between machinery and material manufacturers as well as between machinery manufacturers and mould makers.

In the shorter term, the recovery and expansion of the machinery industry could be export-led. The falling value of sterling makes U.K.-built machinery very competitive in export markets though in some areas there appear to be problems associated with the credit terms British companies are able to offer compared with their overseas competitors. In terms of participation at trade fairs and in specific trade missions, the involvement of the plastics machinery industry in overseas markets is greater than ever before. There are already indications, not necessarily as yet reflected in the trade figures which suggest that these efforts are beginning to pay off.

T. E. Tebbatt

Editor, European Plastics News

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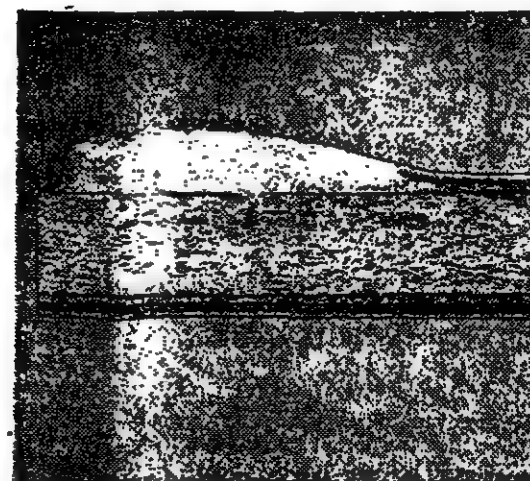
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Palusol is a new development in fire prevention by BASF. The idea is ingenious: a layer of hydrated sodium silicate is sandwiched under a wood veneer surface. When heated, the water boils off, the chemical expands to form a layer of stable foam, edges of doors are sealed off and heat transmission is effectively controlled. It can be used in fire doors, partitions, for furniture and protective enclosures, and to clad structural steel columns and beams.

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IMPORTS OF SELECTED MACHINES BY COUNTRY OF ORIGIN—1975

(number of machines)

	Injection machines	Vacuum and pressure formers	Extruders
Fed. Germany	210	22	179
France	36	1	27
Netherlands	19	1	6
Belgium/Luxembourg	4	—	5
Italy	53	5	76

Source: H.M. Customs and Excise

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Packaging growth is likely to slow down

PACKAGING is the biggest single customer of the plastics industry. Some 31 per cent. of the total output of plastics materials—estimated at nearly 2m. tonnes in 1974—goes to producing the bottles, containers, and wrappings in which goods are presented.

There can be no argument about the dramatic impact which plastics have had upon the whole concept of packaging over the past two decades, but the detailed statistics available tend to be sketchy and often contradictory.

This problem was highlighted in an important report published recently by the National Economic Development Office on behalf of the Plastics Steering Committee. The publication is part of a programme in which trade associations, unions, and the Department of Industry are co-operating to raise the performance of the industry.

Research

Inbucon/AIC Management Consultants, who conducted the research for the project, draw attention to the difficulty of reconciling different sets of statistics. "It is clear that demand forecasting at the level of individual companies, as well as industry level, can have been based up to the present on only the sketchiest of statistical data."

According to the report, the plastics packaging industry is fragmented, with more than 400 manufacturers producing a total estimated turnover last year of around £300m. The importance to the industry of a sector of that size cannot be underestimated. However, the fact that the labour force was trimmed by some 5,000 to a level of 23,000 last year indicates the problems which recession has brought.



Quality checks being carried out at Johansen and Jorgensen (Plastics), manufacturers of injection-moulded packaging products.

In Britain's changed economic circumstances it would have been difficult to maintain the pace of growth achieved in earlier years. The report suggests that the annual growth rate of the industry up to 1980 will be between 4.7 and 8.6 per cent., compared with the 14 per cent. a year increase in the period between 1970 to 1974. These projections would mean a consumption level of between 784,000 and 971,000 tonnes by 1980.

From a share of around 4 per cent. of the packaging market in the early 1960s, plastics have made substantial inroads and have boosted their proportion to about 17 per cent. The major advances were made in the period between 1968 and 1972 when packaging was becoming more sophisticated and new materials and products were being developed.

Demand built up during 1973 to reach a peak in early 1974 but from this point orders began to decline rapidly as the national economy began to move towards recession. So rapid was the downturn that stocks were dis-

posed and by the middle of last year many firms were working at between 80 and 90 per cent. of capacity.

The danger which now confronts the industry in recovering from such a deep recession is that demand may pick up too quickly. Following a virtual standstill in investment over the past two years and with stocks at low levels, a sudden upsurge in demand could cause supply bottlenecks.

This is a situation which the industry is anxious to avoid and efforts are being made to develop closer relationships with suppliers' production programmes so that the transition can be as smooth as possible.

Apart from the problems posed by the trade cycle, the plastics industry is also coming to terms with the implications of the energy crisis. The NEDO report points out that there is "growing pressure to rethink packaging practices, which grew up in an era of cheap energy and an abundance of raw materials." Attention is now being focused increasingly upon the economic re-use of con-

tainers and the reclamation of materials.

There is confidence within the industry that plastics will remain competitive with the more traditional materials, even if energy prices rise further. But the NEDO report, in a critical note, suggests that not enough effort and finance is being invested in research and development. "There is a reluctance to innovate," the report maintains.

Indeed it reaches the conclusion that continued substitution of traditional materials, rather than the creation of new markets through innovation, may be the bigger factor in market growth by 1980. Inquiries for the study indicated that spending on basic research by the processors was minimal. Applied research received a low ranking and was confined to the larger companies.

The bulk of development costs for the larger processors was predominantly in the range of 1.5 to 2.5 per cent. of turnover. Many of the smaller companies spent little on anything other than tool development, while some firms with a turnover of between £1m. and £5m. relied mainly upon the use of licences and contacts rather than development.

The report also identifies technological innovation as "a further area of real concern." Questions are raised about the technical, industrial and commercial processes which lead to the marketing of new manufactured products.

"It is likely that the major development of new polymers, and to some extent the related processes, will continue to be the preserve of the larger companies." The Government ought to facilitate such development by ensuring freedom from restraints which might prevent an adequate return upon investment.

Indeed an inadequate return upon capital employed and poor cash flow are identified as important potential restraints upon investment and therefore the growth of the industry.

Profits in the industry had been depressed to a level at which investment was not feasible. "Clearly some investment has taken place on the invalid grounds that there must be profits in a growing industry."

While individual firms had identified viable market sectors and made profits of up to 45 per cent. of turnover, the industry

in general would not even be able to fund, out of retained earnings, the replacement of existing plant.

In 1974 the industry produced a £300m. turnover on capital of around £120m., but between £155m. and £237m. would be needed to meet the projected demand by 1980. The NEDO study calculates that, even assuming a modest dividend policy, expansion could only be financed internally if profit before tax increased by two to three times the 1974 levels.

The structure of the industry is an important factor in determining both the level of investment and the pace of development. Some 15 companies supply half the market's requirements with another 400 manufacturers meeting the remaining demand.

The fragmented nature of the industry means that the small entrepreneurial firms tend to exploit predominantly local markets, while the major companies undertake volume production and set the pace. Most of the bigger firms are part of large groups engaged in other sectors of the packaging or paper industries and may have entered the sector merely to safeguard market shares in the face of potential competition from plastics.

The flexibility of production plant makes diversification into alternative plastics markets feasible and indeed common. Very few of the companies surveyed by the NEDO study were solely in packaging.

Alternative

In discussing the markets opening up to plastics, the study emphasises the technological and aesthetic advantages over alternative materials.

Some markets, such as the one for crates, had become saturated, but in others, like drums, continued substitution occurred once the relative price became favourable. Developments already completed—safety seal closures, for example—or still under way—impervious bottles for carbonised drinks—would present new market opportunities.

Market uncertainty is obviously a major deterrent to new investment and innovation, and the British Plastics Federation is making efforts to improve communication and co-operation between suppliers and their customer industries.

Regular six-month business trends surveys are conducted, and projections made of future demand for plastics and of the processing industry's investment requirements. More detailed surveys and studies are also undertaken.

Mr. Chris Bromley, the deputy director of the Federation, points out that a regular series of meetings has been instituted between the plastics packaging industry and its principal customers.

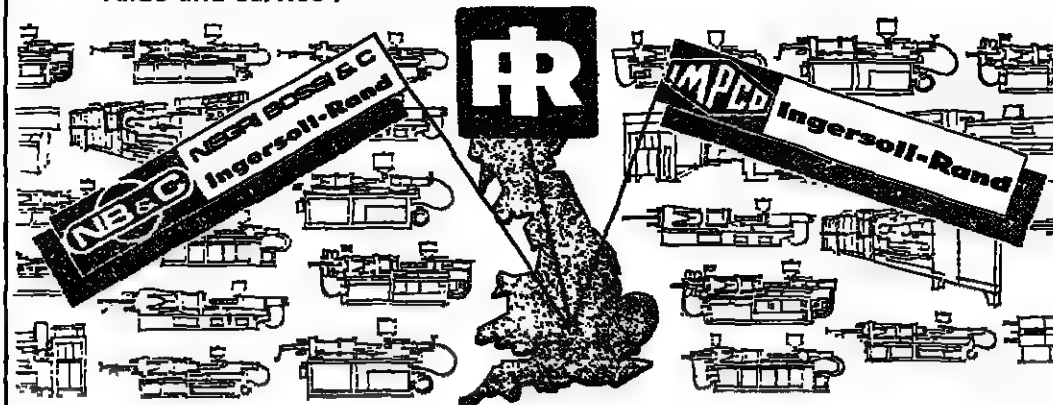
"Such meetings not only bring closer understanding but they are a good starting point for raising efficiency and improving the contribution that plastics can make to the packaging industry," he says.

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Markets

CONTINUED FROM PREVIOUS PAGE

include dimensional stability, maximum durability and long-term strength properties.

Significantly, the report says that it may be eventually possible to reduce the factors of safety that are commonly used for designing this material. Exposure trials so far on GFR and CFR have shown that there is little loss of strength under the combined effects of weather and stress levels.

In the field of engineering, considerable advances have been made recently, perhaps one of the most notable being the use of plastic for motor vehicle radiators. In France SOFICA, using a glass-fibre reinforced grade of ICL nylon, claims to have made a breakthrough in this field.

The radiators are novel in that they are completely solderless, the various elements being held together positively by mechanical means and there has been a further advance, with the introduction of water tanks at the top and bottom moulded entirely from a plastics material.

Not only are the nylon tanks lighter in weight than comparable metal ones, but it is now possible to achieve complex shapes and to incorporate special water circuits by taking advantage of the flexibility offered by the injection moulding process. One of the more

obvious plus points here is the lack of corrosion.

The advance of plastics for the manufacture of bearings has also received a considerable boost from the use of "self lubricating" oil and thermoplastic materials. Bakelite has specialised in this development and has produced bearings with many advantages, including a reduction in weight and wear.

Although plastic containers are hardly new, the wider use of specialist containers has continued apace, particularly for the transportation of industrial goods in various forms such as pastes, powders, granules and liquids, including dangerous chemicals.

Debate

In the field of paper manufacture, where the debate has rumbled on for many years about the relative advantages of paper or plastic in different applications, there are intriguing signs of compromise where the best of both worlds may be at hand.

Experiments have been carried out using plastic fillet in paper manufacture to reduce the raw material requirements. Saran microspheres, an expandable thermoplastic fillet, are claimed to produce paper with a higher bulk without increasing its weight. Conversely, a

lighter paper is obtained if the bulk is not increased. The producers, Dow Chemical, expect the reduced material costs and the improved paper qualities to be of special interest to mills producing uncoated papers and light bleached boards for printing and packaging.

But this is merely one of the many successful and unsuccessful attempts to use plastics in an integrated papermaking process and it is certain that with the increasing need for more and more specialised papers, the papermaking industry will provide a large market for plastic rather than be a competitor.

Perhaps the most interesting recent development for the future use of plastics is the establishment of a £150,000 experimental factory where facilities can be hired by the industrial entrepreneur to explore a new product or manufacturing process.

The factory, near Shrewsbury, has been commissioned by the Rubber and Plastics Research Association with the help of a £100,000 grant from the Department of Industry. The aim is to try to take a new venture all the way from the drawing board into production in order to demonstrate its commercial attractions.

Lorne Barling



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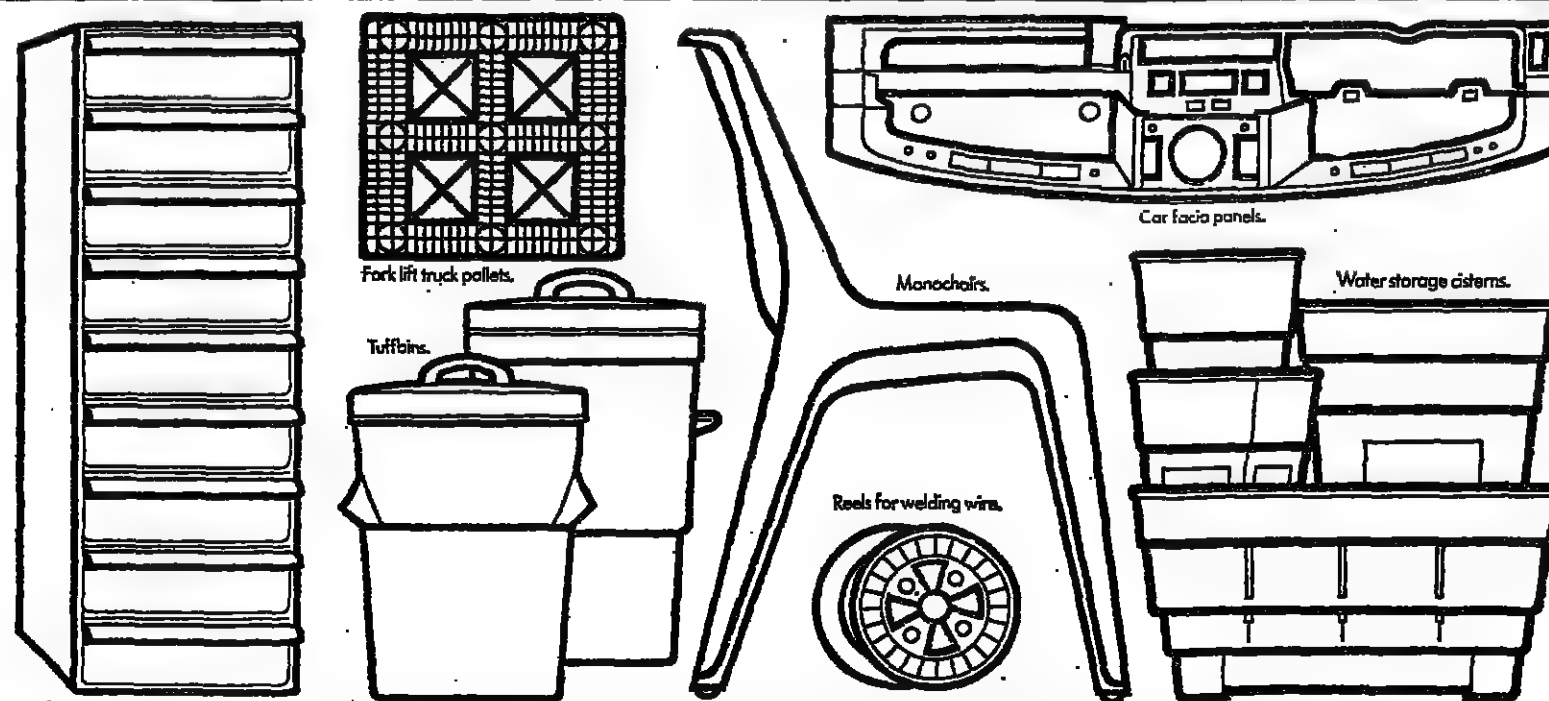
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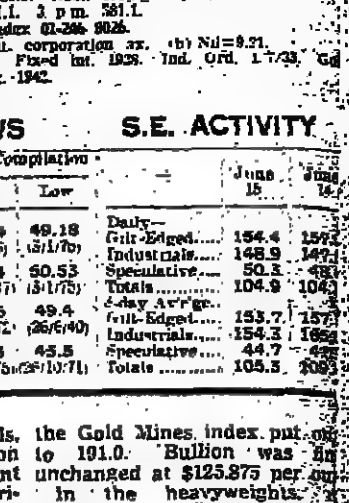
Activity still low, but equity leaders edge higher

Share index up 3.4 at 381.5—Gilts quietly firm

6	5.64	5.72	5.65	5.59	5.6
7	15.04	15.25	16.07	15.89	17.7
8	9.24	9.12	9.23	9.32	8.0
9	4.055	4.585	4.223	5.335	3.86
9	48.86	44.24	41.38	56.54	48.6
0	11.678	10.940	10.517	14.274	14.26

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 Corporation vs. Filed in 1929. Ind. Ord. 1743. 4-1942

S.E. ACTIVITY	
Complaining	Time
+	Time



the Gold Mines index put on to 1910. Bullion was unchanged at \$123.875 per ounce in the heavyweights, ranged to 4 in Randfontein, and West Driefontein, to 2144. Among the lower prices, Lihaon were up 25 510p and Kloof advanced 370p.

Financials also responded to favourable technical conditions, but business was at

These indices are the joint compilation of the Financial Times, The Institute of Actuaries and the Faculty of Actuaries

Australians lacked a trend in line with overnight markets. Posidon rose 5 to a 1978 high of 265p. where, Consolidated Marches advanced .25 to 328p owing Cape buying.

Looking ahead

A TEN-YEAR review of plans

BASE LENDING RATES	
Allied Irish Banks Ltd.	10 1/2
American Express Bank	10 1/2
Anglo-Portuguese Bank	11
Henry Ansbacher	11
Banco de Bilbao	10 1/2
Banco de Jerez	12
Bank of Cyprus	12
Bank of N.S.W.	10 1/2
Banque du Rhone S.A.	11 1/2
Barclays Bank	10 1/2
Barnett, Christie & Co.	12

■ Brown Shipley	11 1/2
■ Canada Permanent AFI	10 1/2
■ Cayzer, Bowater Co. Ltd.	11 1/2
■ Cedar Holdings	11 1/2
■ Charterhouse Japhet	11 1/2
■ C. E. Coates	11 1/2
■ Consolidated Credits	11 1/2
■ Co-operative Bank	10 1/2
■ Corinthian Securities	10 1/2
■ Credit Lyonnais	10 1/2
■ G. R. Dawes	11 1/2
■ Duboff Brothers	11 1/2
■ Duncan Lawrie	10 1/2
■ English Transcon.	11 1/2
■ Fidelity London Secs.	10 1/2
■ Anglo Gibbs	11 1/2
■ Glynco, Dundee	11 1/2

■ Guinness Mahon	10½
■ Hambros Bank	10¼
Hawth & Partners	13 ¾
■ Hill Samuel	\$11 ¾
C. Hoare & Co.	10½
Julian S. Hodges	11¼
Hongkong & Shanghai	10½
Industrial Bank of Scot.	10¼
Keyser Ullmann	11 ½
Knowlesy & Co. Ltd.	12½
Lloyds Bank	10½
Melson & European	11 ½
London Mercantile	11½
Midland Bank	10½
■ Samuel Montagu	10½
■ Morgan Grenfell	10½
National Westminster	10½

Portman Guaranty.....	8 1/2%
P. S. Refson & Co.	10 1/2%
Rossminster Accepts.....	10 1/2%
Schlesinger Limited ...	11 %
E. S. Schwab	12 %
Security Trust Co. Ltd. ...	12 %
Shenley Trust	12 1/2%
Standard Chartered	10 1/2%
Trade Development Bk	10 1/2%
Twentieth Century Bk.	12 1/2%
United Bank of Kuwait	10 1/2%

Yorkshire Bank 1949
 ■ Members of the Accepting House Committee
 7-day deposits 64% 1-month deposits 67%
 7-day deposits on sums of £75,000 and under 62% up to £25,000 72% and over £25,000 72%
 ■ Demand deposits 54%
 ■ Call deposits over £1,000 62%

CORAL INDEX
Close 378-383

INSURANCE BASE RATES.
Atlantic Assurance ... 10 1/2%
Cannon Assurance 8 1/2%
Add 1% shown under insurance and
deductible from total.

BASE LENDING RATES
Allied Irish Banks Ltd. 104
American Express Bank 104
Anglo-Sartumun Bank 104

Banco de Buenos Aires	10 1/2
Banco de Jerez	12 1/2
Bank of Cyprus	11 1/2
Bank of N.S.W.	10 1/2
Banque du Rhone S.A.	11 1/2
Barclays Bank	10 1/2
Barnett, Christie Ltd.	12 1/2
Bremar Holdings Ltd.	11 1/2
Brit. Bank of Mid. East	10 1/2

Cayzer, Bowater Co. Ltd.	11 7/8
Cedar Holdings	11 7/8
Charterhouse Japhet ...	11 9/8
C. E. Costes	11 9/8
Consolidated Credits ...	11 9/8
Co-operative Bank	10 1/2
Corinthian Securities...	10 1/8
Credit Lyonnais	10 1/2

Duncan Lawrie	1014
English Transcont.	11 9
First London Secs.	1014
■ Antony Gibbs	11 9
Goode Durrant Trust... ..	10 9
Greyhound Guaranty... ..	1014
Grindlays Bank	1014
■ Guinness Mahon	1014
■ Hambros Bank	1014

C. Hoare & Co.	10 3/4
Julian S. Hodges	11 1/2
Hongkong & Shanghai	10 1/2
Industrial Bank of Scot.	10 3/4
Keyser Ullmann	11 1/2
Knowles & Co. Ltd.	12 1/2
Lloyds Bank	10 1/2
London & European	11 1/2
London Mercantile	11 1/2

■ Morgan Grenfell	10 1/2 %
National Westminster	10 1/2 %
Northern Comm. Trust	11 %
Norwich General Trust	11 %
Portman Guaranty	8 1/2 %
P. S. Refson & Co.	10 1/2 %
Rossminster Acceptcs.	10 1/2 %
Schlesinger Limited ...	11 %
F. & S. Shaw	10 1/2 %

Standard Chartered	121%
Trade Development Bk	101%
Twentieth Century Bk.	124%
United Bank of Kuwait	101%
Whiteaway Laidlaw ...	111%
Williams & Glyn's ...	101%
Yorkshire Bank	144%

■ Members of the Accepting Bank

Time deposits on sum of \$78,000 and under 87.5% up to \$25,000 72.5% and over \$25,000 72.5%

Demand deposits 85%

Call deposits over \$1,000 67%

INSURANCE BASE RATES.

Common Assurance \$2.00
 Address shown under Insurance and
 Property Bond table.

AUTHORISED UNIT TRUSTS

[illegible]

INSURANCE, PROPERTY, BONDS

REGIONAL MARKETS

A selection of the share prices previously shown under regional headings is repeated below with quotations on London. Irish issues, most of which are not officially listed in London, are shown separately and with prices as on the Irish exchange.

[illegible]

HOLYROOD RUBBER

Mr. Addinsell's Statement

The 63rd annual general meeting of Holyrood Rubber Limited was held on June 14th in London, Mr. J. Addinsell (the chairman) presiding.

The following is an extract from his circulated statement: As to be expected the measures imposed by the Malaysian Government to improve the rubber price, which were not lifted until October, adversely affected production. It is satisfactory to report therefore, that crop was only 5.78 per cent. lower than the record production of the previous year.

Prices received for our rubber, the main part of which the company continued to sell as field latex, fluctuated in the first six months of the financial year but improved in the second half. The result was an average net selling price of £2.93p per kg. as compared with £1.77p for 1974.

After taking into account £17.74s of investment income interest before tax amounted to £47,060. Taxation required £24,830, leaving £22,440. The board recommend the maximum permissible final dividend of 19.00p which, with the interim dividend of 4.10p already paid, makes a total of 23.10p for the year.

During the financial year 56 acres of rubber were replanted and a small area amounting to 12 acres was newly planted. It is intended to replant a further 80 acres in 1978. The planting with oil palms of an area of 25 acres not previously cultivated was undertaken during the year. It is expected to plant another 44 acres with oil palms in the current year.

At this time last year it was not possible to offer a very optimistic view of prospects for 1976, but the outlook for 1976 appears much brighter. Following the removal of restrictions on production, particularly the use of chemical stimulants, crops for the first three months of the current year amount to 1,375 tonnes, against 1,000 tonnes for the same period in 1975. The manager estimates to produce 1,060,860 kg of rubber in 1976. Rubber prices since the beginning of the year have continued to rise.

The report was adopted.

[illegible]

OFFSHORE AND OVERSEAS FUNDS

[illegible]

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in the air.

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make reservations. **IRAN AIR**

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the 1990s, the number of people in the world who are illiterate has increased from 1.2 billion to 1.5 billion. The number of illiterate people in the world is projected to reach 1.7 billion by the year 2015. The number of illiterate people in the world is projected to reach 1.7 billion by the year 2015.

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FT SHARE INFORMATION SERVICE

HOTELS - Continued

Stock	Price	Chg	Vol
Grand Hotel	100	+1.00	100
Hotel de Ville	100	+1.00	100
Hotel de Ville	100	+1.00	100
Hotel de Ville	100	+1.00	100
Hotel de Ville	100	+1.00	100
Hotel de Ville	100	+1.00	100
Hotel de Ville	100	+1.00	100
Hotel de Ville	100	+1.00	100
Hotel de Ville	100	+1.00	100
Hotel de Ville	100	+1.00	100

INDUSTRIALS (Misc.)

Stock	Price	Chg	Vol
AAI	100	+1.00	100
AAI	100	+1.00	100
AAI	100	+1.00	100
AAI	100	+1.00	100
AAI	100	+1.00	100
AAI	100	+1.00	100
AAI	100	+1.00	100
AAI	100	+1.00	100
AAI	100	+1.00	100
AAI	100	+1.00	100

ENGINEERING - Continued

Stock	Price	Chg	Vol
AAI	100	+1.00	100
AAI	100	+1.00	100
AAI	100	+1.00	100
AAI	100	+1.00	100
AAI	100	+1.00	100
AAI	100	+1.00	100
AAI	100	+1.00	100
AAI	100	+1.00	100
AAI	100	+1.00	100
AAI	100	+1.00	100

DRAPERY AND STORES - Continued

Stock	Price	Chg	Vol
AAI	100	+1.00	100
AAI	100	+1.00	100
AAI	100	+1.00	100
AAI	100	+1.00	100
AAI	100	+1.00	100
AAI	100	+1.00	100
AAI	100	+1.00	100
AAI	100	+1.00	100
AAI	100	+1.00	100
AAI	100	+1.00	100

BUILDING INDUSTRY - Continued

Stock	Price	Chg	Vol
AAI	100	+1.00	100
AAI	100	+1.00	100
AAI	100	+1.00	100
AAI	100	+1.00	100
AAI	100	+1.00	100
AAI	100	+1.00	100
AAI	100	+1.00	100
AAI	100	+1.00	100
AAI	100	+1.00	100
AAI	100	+1.00	100

CANADIANS

Stock	Price	Chg	Vol
AAI	100	+1.00	100
AAI	100	+1.00	100
AAI	100	+1.00	100
AAI	100	+1.00	100
AAI	100	+1.00	100
AAI	100	+1.00	100
AAI	100	+1.00	100
AAI	100	+1.00	100
AAI	100	+1.00	100
AAI	100	+1.00	100

BRITISH FUNDS

Stock	Price	Chg	Vol
AAI	100	+1.00	100
AAI	100	+1.00	100
AAI	100	+1.00	100
AAI	100	+1.00	100
AAI	100	+1.00	100
AAI	100	+1.00	100
AAI	100	+1.00	100
AAI	100	+1.00	100
AAI	100	+1.00	100
AAI	100	+1.00	100

BANKS AND HIRE PURCHASE

Stock	Price	Chg	Vol
AAI	100	+1.00	100
AAI	100	+1.00	100
AAI	100	+1.00	100
AAI	100	+1.00	100
AAI	100	+1.00	100
AAI	100	+1.00	100
AAI	100	+1.00	100
AAI	100	+1.00	100
AAI	100	+1.00	100
AAI	100	+1.00	100

ELECTRICAL AND RADIO

Stock	Price	Chg	Vol
AAI	100	+1.00	100
AAI	100	+1.00	100
AAI	100	+1.00	100
AAI	100	+1.00	100
AAI	100	+1.00	100
AAI	100	+1.00	100
AAI	100	+1.00	100
AAI	100	+1.00	100
AAI	100	+1.00	100
AAI	100	+1.00	100

CHEMICALS, PLASTICS

Stock	Price	Chg	Vol
AAI	100	+1.00	100
AAI	100	+1.00	100
AAI	100	+1.00	100
AAI	100	+1.00	100
AAI	100	+1.00	100
AAI	100	+1.00	100
AAI	100	+1.00	100
AAI	100	+1.00	100
AAI	100	+1.00	100
AAI	100	+1.00	100

ENGINEERING, MACHINE TOOLS

Stock	Price	Chg	Vol
AAI	100	+1.00	100
AAI	100	+1.00	100
AAI	100	+1.00	100
AAI	100	+1.00	100
AAI	100	+1.00	100
AAI	100	+1.00	100
AAI	100	+1.00	100
AAI	100	+1.00	100
AAI	100	+1.00	100
AAI	100	+1.00	100

CINEMA, THEATRES AND TV

Stock	Price	Chg	Vol
AAI	100	+1.00	100
AAI	100	+1.00	100
AAI	100	+1.00	100
AAI	100	+1.00	100
AAI	100	+1.00	100
AAI	100	+1.00	100
AAI	100	+1.00	100
AAI	100	+1.00	100
AAI	100	+1.00	100
AAI	100	+1.00	100

FOOD, GROCERIES, ETC.

Stock	Price	Chg	Vol
AAI	100	+1.00	100
AAI	100	+1.00	100
AAI	100	+1.00	100
AAI	100	+1.00	100
AAI	100	+1.00	100
AAI	100	+1.00	100
AAI	100	+1.00	100
AAI	100	+1.00	100
AAI	100	+1.00	100
AAI	100	+1.00	100

BEERS, WINES AND SPIRITS

Stock	Price	Chg	Vol
AAI	100	+1.00	100
AAI	100	+1.00	100
AAI	100	+1.00	100
AAI	100	+1.00	100
AAI	100	+1.00	100
AAI	100	+1.00	100
AAI	100	+1.00	100
AAI	100	+1.00	100
AAI	100	+1.00	100
AAI	100	+1.00	100

BUILDING INDUSTRY, TIMBER & ROADS

Stock	Price	Chg	Vol
AAI	100	+1.00	100
AAI	100	+1.00	100
AAI	100	+1.00	100
AAI	100	+1.00	100
AAI	100	+1.00	100
AAI	100	+1.00	100
AAI	100	+1.00	100
AAI	100	+1.00	100
AAI	100	+1.00	100
AAI	100	+1.00	100

AMERICANS

Stock	Price	Chg	Vol
AAI	100	+1.00	100
AAI	100	+1.00	100
AAI	100	+1.00	100
AAI	100	+1.00	100
AAI	100	+1.00	100
AAI	100	+1.00	100
AAI	100	+1.00	100
AAI	100	+1.00	100
AAI	100	+1.00	100
AAI	100	+1.00	100

Conversion factor 0.0704 (0.5752)

مكتبة الأصيل

